

Benares Hindu University

CALENDAR

1922-25.



PUBLISHED BY:
THE BENARES HINDU UNIVERSITY,
BENARES.

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ALMANAC, 1925

January,

Date.	Day.	संवत् १९८१	
1	Thur. (गुरु)	पौष शुक्ल ७	New Year's day.
2	Fri. (शुक्र)	" ८	
3	Sat. (शनि)	" ९	
4	Sun. (रवि)	" १०	
5	Mon. (सोम)	" ११	
6	Tues. (मंगल)	" १२	
7	Wed. (बुध)	" १३	
8	Thur. (गुरु)	" १४	
9	Fri. (शुक्र)	" १५	
10	Sat. (शनि)	" १६	
11	Sun. (राव)	माघ कृष्ण १	
12	Mon. (सोम)	" २	
13*	Tues. (मंगल)	" ३	*Makar-samkranti मकर-संक्रान्ति and Ganesh Chaturthi गणेशचतुर्थी
14	Wed. (बुध)	" ४	
15	Thur. (गुरु)	" ५	
16	Fri. (शुक्र)	" ६	† First Convocation of the Benares Hindu University 1919.
17	Sat. (शनि)	" ७	
18	Sun. (रवि)	" ८	*Sixth Convocation of the Benares Hindu University 1924.
19*	Mon. (सोम)	" ९	†University of Calcutta Incorporated, 1857.
20	Tues. (मंगल)	" १० + ११	‡Second Convocation of the Benares Hindu University 1920.
21	Wed. (बुध)	" १२	‡ Mauni Amavasya मौनी अमावस्या
22	Thur. (गुरु)	" १३	
23†	Fri. (शुक्र)	" १४	
24†	Sat. (शनि)	" १५	
25	Sun. (रवि)	माघ शुक्ल १	
26	Mon. (सोम)	" २	
27	Tues. (मंगल)	" ३	
28	Wed. (बुध)	" ४	
29*	Thur. (गुरु)	" ५	Seventh Convocation of the B.H.U.
30	Fri. (शुक्र)	" ६	Vasanta Panchami वसन्त पंचमी
31	Sat. (शनि)	" ७	

ALMANAC, 1925—(contd.)

February,

Date.	Day.	संवत् १९८१	
1	Sun. (रवि)	माघ शुक्ल ८	
2	Mon. (सोम)	" ९	
3	Tues. (मंगल)	" १०	
4	Wed. (बुध)	" ११	
5	Thur. (गुरु)	" १२	
6	Fri. (शुक्र)	" १३	
7	Sat. (शनि)	" १४	
8	Sun. (रवि)	" १५	Maghi Purnima and Lunar Eclipse माघ पूणिमा और चन्द्रग्रहणम्
9	Mon. (सोम)	फाल्गुन कृ० १	
10	Tues. (मंगल)	" २	
11	Wed. (बुध)	" ३	
12	Thur. (गुरु)	" ४	
13	Fri. (शुक्र)	" ५	
14	Sat. (शनि)	" ६	
15	Sun. (रवि)	" ७	Shivaratri (शिवरात्रि)
16	Mon. (सोम)	" ८	
17	Tues. (मंगल)	" ९	
18	Wed. (बुध)	" १०	
19	Thur. (गुरु)	" ११	
20	Fri. (शुक्र)	" १२	
21	Sat. (शनि)	" १३	
22	Sun. (रवि)	" १४	Shivaratri (शिवरात्रि) Somaṭi Amavasya सोमवती अमावस्या
23	Mon. (सोम)	" १५	
24	Tues. (मंगल)	फाल्गुन शु० २	
25	Wed. (बुध)	" ३	
26	Thur. (गुरु)	" ४	
27	Fri. (शुक्र)	" ५	
28	Sat. (शनि)	" ६	

ALMANAC, 1925—(contd.)

March.

Date.	Day.	संवत् १९८१-२	
1	Sun. (रवि)	फाल्गुन शु० ७	
2	Mon. (सोम)	" ७	
3	Tues (मंगल)	" ८	
4	Wed. (बुध)	" ९	
5	Thur. (गुरु)	" १०	
6	Fri. (शुक्र)	" ११	
7	Sat. (शनि)	" १२	
8	Sun. (रवि)	" १३	
9	Mon. (सोम)	" १४	
10	Tues. (मंगल)	" १५	Holi (होली)
11	Wed. (बुध)	चैत्र कृ० १	Holi (होली)
12	Thur. (गुरु)	" २	
13	Fri. (शुक्र)	" ३	
14	Sat. (शनि)	" ४	
15	Sun. (रवि)	" ५	
16	Mon. (सोम)	" ६	Admission, and Prave-
17	Tues. (मंगल)	" ७	sika Examinations
18	Wed. (बुध)	" ८ + ९	begin.
19	Thur. (गुरु)	" १०	
20	Fri. (शुक्र)	" ११	
21	Sat. (शनि)	" १२	
22	Sun. (रवि)	" १३	Varuni (वारुणी)
23	Mon. (सोम)	" १४	
24	Tues. (मंगल)	" १५	
25	Wed. (बुध)	चैत्र शु० १	* Indian Universities
26	Thur. (गुरु)	" २	Act. (VIII of 1904)
27	Fri. (शुक्र)	" ३	passed.
28	Sat. (शनि)	" ४	† University of Dacca
29	Sun. (रवि)	" ५	incorporated 1920.
30	Mon. (सोम)	" ६	
31	Tues. (मंगल)	" ७	Intermediate, L. T. & L.L. B. Previous Exami- nations begin.

ALMANAC, 1925—(contd.)

April.

Date.	Day.		संवत् १९८२	
1*	Wed.	(बुध)	चैत्र शु०	५ Benares Hindu Univer-
2†	Thur.	(गुरु)	"	8 sity Act (XVI) of 1915)
3	Fri.	(शुक्र)	"	१० enforced, 1916
4	Sat.	(शनि)	"	११ † Ramanayami रामनवमी
5	Sun.	(रवि)	"	१२
6	Mon.	(सोम)	"	१३
7	Tues.	(मंगल)	"	१४
8	Wed.	(बुध)	"	१६
9	Thur.	(गुरु)	"	१७
10	Fri.	(शुक्र)	वैशाख कृ०	१
11	Sat.	(शनि)	"	२+३
12	Sun.	(रवि)	"	४
13*	M n.	(सोम)	"	५ * Vaisa Samkranti
14†	Tues.	(मंगल)	"	६ मेघ संक्रान्ति
15	Wed.	(बुध)	"	७
16	Thur.	(गुरु)	"	८
17†	Fri.	(शुक्र)	"	९
18	Sat.	(शनि)	"	१०
19	Sun.	(रवि)	"	११
20	Mon.	(सोम)	"	१२
21	Tues.	(मंगल)	"	१३
22	Wed.	(बुध)	"	१४
23	Thur.	(गुरु)	"	१५
24	Fri.	(शुक्र)	वैशाख शु०	१
25	Sat.	(शनि)	"	२
26	Sun.	(रवि)	"	३ Third Convocation of
27	Mon.	(सोम)	"	४ Akshaya Tritiya,
28	Tues.	(मंगल)	"	५ अक्षय तृतीया
29	Wed.	(बुध)	"	६
30	Thur.	(गुरु)	"	७

ALMANAC, 1925—(contd.)

May.

Date.	Day.	संवत् १९२२	
	Fri. (शुक्र)	वैशाख शु० -	Summer Vacation begins University of Delhi incorporated 1922.
	Sat. (शनि)		
3	Sun. (रवि)	" १०	
4	Mon. (सोम)	" ११	
5	Tues. (मंगल)	" १२	
6	Wed. (बुध)	" १३	
	Thur. (गुरु)	" १४	
	Fri. (शुक्र)	" १५	
	Sat. (शनि)	ज्येष्ठ कृष्ण १	
10	Sun. (रवि)	२	
11	Mon. (सोम)	३	
12	Tues. (मंगल)	४	
13	Wed. (बुध)	५	
14	Thur. (गुरु)	६ + ७	
15	Fri. (शुक्र)		
16	Sat. (शनि)	८	
17	Sun. (रवि)	१०	
18	Mon. (सोम)	११	
19	Tues. (मंगल)	१२	
20	Wed. (बुध)	१३	
21	Thur. (गुरु)	१४	
22	Fri. (शुक्र)	१५	
23	Sat. (शनि)	ज्येष्ठ शुक्ल १	
24	Sun. (रवि)	२	
25	Mon. (सोम)	३	
26	Tues. (मंगल)	४	
27	Wed. (बुध)	५	
28	Thur. (गुरु)	६	
29	Fri. (शुक्र)	७	
30	Sat. (शनि)		
31	Sun. (रवि)		

ALMANAC, 1925—(contd.)

June.

Date.	Day.	संवत् १९८२	
1	Mon. (सोम)	ज्येष्ठ शुक्ल १	
2	Tues. (मंगल)	" २०	
3	Wed. (बुध)	" २१	
4	Thur. (गुरु)	" २२	
5	Fri. (शुक्र)	" २३	
6	Sat. (शनि)	" २४ १५	
7	Sun. (रवि)	आषाढ़ कृ० १	
8	Mon. (सोम)	" २	
9	Tues. (मंगल)	" ३	
10	Wed. (बुध)	" ४	
11	Thur. (गुरु)	" ५	
12	Fri. (शुक्र)	" ६	
13	Sat. (शनि)	" ७	
14	Sun. (रवि)	" ८	
15	Mon. (सोम)	" ९	
16	Tues. (मंगल)	" १०	
17	Wed. (बुध)	" ११	
18	Thur. (गुरु)	" १२	
19	Fri. (शुक्र)	" १३	
20	Sat. (शनि)	" १४	
21	Sun. (रवि)	" १५	
22	Mon. (सोम)	आषाढ़ शु० १	
23	Tues. (मंगल)	" २	
24	Wed. (बुध)	" ३	
25	Thur. (गुरु)	" ४	
26	Fri. (शुक्र)	" ५	
27	Sat. (शनि)	" ६	
28	Sun. (रवि)	" ७	
29	Mon. (सोम)	" ८	
30	Tues. (मंगल)	" ९	

ALMANAC, 1925—(contd.)

July.

Date.	Day.	संवत् १९८२	
1	Wed. (बुध)	आषाढ़ शु० १०	
2	Thur. (गुरु)	" ११	
3	Fri. (शुक्र)	" १२	
4	Sat. (शनि)	" १३	
5	Sun. (रवि)	" १४	
6	Mon. (सोम)	" १५	Gurn Purnima गुरुपूर्णिमा
7	Tues. (मंगल)	आ० क०१ + २	
8	Wed. (बुध)	" ३	
9	Thur. (गुरु)	" ४	Colleges open after Summer Vacation.
10	Fri. (शुक्र)	" ५	
11	Sat. (शनि)	" ६	
12	Sun. (रवि)	" ७	
13	Mon. (सोम)	" ८	
14	Tues. (मंगल)	" ९	
15	Wed. (बुध)	" १०	
16	Thur. (गुरु)	" ११	Karka Sankranti कक संक्रांति
17	Fri. (शुक्र)	" १२	University of Bombay incorporated, 1857
18	Sat. (शनि)	" १३	
19	Sun. (रवि)	" १४	
20	Mon. (सोम)	" १५	Somavati Amavasya सोमवती अमावस्या
21	Tues. (मंगल)	आवण शु० १	
22	Wed. (बुध)	" २	
23	Thur. (गुरु)	" ३	
24	Fri. (शुक्र)	" ४	University of Mysore incorporated 1916.
25	Sat. (शनि)	" ५	
26	Sun. (रवि)	" ६	Nag Panchaminagपञ्चमी
27	Mon. (सोम)	" ७	
28	Tues. (मंगल)	" ८	
29	Wed. (बुध)	" ९	
30	Thur. (गुरु)	" १० + ११	
31	Fri. (शुक्र)	" १२	

ALMANAC, 1925—(contd.)

August.

Date.	Day.	संवत् १९८२	
1	Sat. (शनि)	श्रावण शु० १२	
2	Sun. (रवि)	" १३	
3	Mon. (सोम)	" १४	
4	Tues. (मंगल)	" १५	
5	Wed. (बुध)	भाद्रपद क० १	University of Nagpur incorporated 1923. Rak-
6	Thur. (गुरु)	" २	sha bandhana रक्षाबन्धनम्
7	Fri. (शुक्र)	" ३	Lunar Eclipse चन्द्रग्रहण
8	Sat. (शनि)	" ४	
9	Sun. (रवि)	" ५	
10	Mon. (सोम)	" ६	
11	Tues. (मंगल)	" ७	Janmastami (जन्माष्टमी)
12	Wed. (बुध)	" ८	"
13	Thur. (गुरु)	" ९	
14	Fri. (शुक्र)	" १०	
15	Sat. (शनि)	" ११	
16	Sun. (रवि)	" १२	
17	Mon. (सोम)	" १३	
18	Tues. (मंगल)	" १४	
19	Wed. (बुध)	" १५	
20	Thur. (गुरु)	भाद्रपद शु० १	
21	Fri. (शुक्र)	" २	
22	Sat. (शनि)	" ३	
23	Sun. (रवि)	" ४	
24	Mon. (सोम)	" ५	
25	Tues. (मंगल)	" ६	
26	Wed. (बुध)	" ७	
27	Thur. (गुरु)	" ८	Osmania University in-
28	Fri. (शुक्र)	" ९	corporated 1919.
29	Sat. (शनि)	" १०	
30	Sun. (रवि)	" ११	
31	Mon. (सोम)	" १२ + १३	

ALMANAC, 1925- (contd.)

September.

Date	Day.	संवत् १९२२	
1	Tues. (मंगल)	भाद्रपद शु० १४	Ananta Chaturdasi
2	Wed. (बुध)	" १५	अनन्तरतु व्रती
3	Thur. (गुरु)	आश्विन कृ० १	
4	Fri. (शुक्र)	" २	
5*	Sat. (शनि)	" ३	University of Madras Incorporated 1857.
6	Sun. (रवि)	" ४	
7	Mon. (सोम)	" ५	
8	Tues. (मंगल)	" ६	
9	Wed. (बुध)	" ७	
10	Thur. (गुरु)	" ८	
11	Fri. (शुक्र)	" ९	Matrinayami (मातृनवमी)
12	Sat. (शनि)	" १०	
13	Sun. (रवि)	" ११	
14	Mon. (सोम)	" १२	
15	Tues. (मंगल)	" १३	
16	Wed. (बुध)	" १४	Viswakarma Puja
17	Thur. (गुरु)	" १५	Mahalaya (महालया)
18	Fri. (शुक्र)	" १६	
19	Sat. (शनि)	आश्विन शु० १	
20	Sun. (रवि)	" २	
21	Mon. (सोम)	" ३	
22	Tues. (मंगल)	" ४	
23	Wed. (बुध)	" ५	Dasahra vacation begins
24	Thur. (गुरु)	" ६	
25	Fri. (शुक्र)	" ७	
26	Sat. (शनि)	" ८	
27	Sun. (रवि)	" १०	
28	Mon. (सोम)	" ११	
29	Tues. (मंगल)	" १२	
30	Wed. (बुध)	" १३	

ALMANAC, 1925—(contd-)

October.

Date.	Day.	संवत् १९८२	
1	Thur.	(गुरु)	आश्विन शु० १४
2	Fri.	(शुक्र)	" १५
3	Sat.	(शनि)	कार्तिक कृ० १
4	Sun.	(रवि)	" २
5	Mon.	(सोम)	" ३
6	Tues.	(मंगल)	" ४
7	Wed.	(बुध)	" ५
8	Thur.	(गुरु)	" ६
9	Fri.	(शुक्र)	" ७
10	Sat.	(शनि)	" ८
11	Sun.	(रवि)	" ९
12	Mon.	(सोम)	" १०
13	Tues.	(मंगल)	" ११
14	Wed.	(बुध)	" १२
15	Thur.	(गुरु)	" १३
16	Fri.	(शुक्र)	" १४
17	Sat.	(शनि)	" १५
18	Sun.	(रवि)	कार्तिक शु० १
19	Mon.	(सोम)	" २
20	Tues.	(मंगल)	" ३
21	Wed.	(बुध)	" ४
22	Thur.	(गुरु)	" ५
23	Fri.	(शुक्र)	" ६
24	Sat.	(शनि)	" ७
25	Sun.	(रवि)	" ८
26*	Mon.	(सोम)	" ९ + १०
27	Tues.	(मंगल)	" ११
28	Wed.	(बुध)	" १२
29	Thur.	(गुरु)	" १३
30	Fri.	(शुक्र)	" १४
31	Sat.	(शनि)	" १५

Benares Hindu University Act (XVI of 1915), passed 1915. Patna University incorporated, 1915

University of Punjab incorporated, 1882

Dipawali दीपावली

अन्नकूट गोवर्द्धन पूजनम्
Yamadwitia यमद्वितीया

Colleges open after
Dasahra vacation

*Akshayanavami

अक्षयनवमी
Prabodhini Ekadashi
प्रबोधिनी एकादशी

कार्तिकी पुर्णिमा

ALMANAC, 1925—(contd.)

November.

Date.	Day.	संवत् १९८२	
1	Sun. (रवि)	मार्गशीर्ष कृ० १	
2	Mon. (सोम)	" २	
3	Tues. (मंगल)	" ३	
4	Wed. (बुध)	" ४	
5	Thur. (गुरु)	" ५	
6	Fri. (शुक्र)	" ६	
7	Sat. (शनि)	" ७	
8	Sun. (रवि)	" ८	
9	Mon. (सोम)	" ९	
10	Tues. (मंगल)	" १०	
11	Wed. (बुध)	" ११	
12	Thur. (गुरु)	" १२	
13	Fri. (शुक्र)	" १३	
14	Sat. (शनि)	" १४	
15	Sun. (रवि)	" १५	
16	Mon. (सोम)	" १६	
17	Tues. (मंगल)	मार्गशीर्ष शु० १	
18	Wed. (बुध)	" २	
19	Thur. (गुरु)	" ३ + ४	
20	Fri. (शुक्र)	" ५	
21	Sat. (शनि)	" ६	
22	Sun. (रवि)	" ७	
23	Mon. (सोम)	" ८	
24	Tues. (मंगल)	" ९	
25	Wed. (बुध)	" १०	
26	Thur. (गुरु)	" ११	
27	Fri. (शुक्र)	" १२	
28	Sat. (शनि)	" १३	
29	Sun. (रवि)	" १४	
30	Mon. (सोम)	" १५	

Somvati Amavasya

University of Allaha-
bad incorporated 1889.

Fifth Convocation o
the B.H U. 1922

ALMANAC. 1925—(contd.)

December.

Date.	Day.	संवत् १९८२	
1	Tues. (मंगल)	पौष कृष्ण १	Aigrah Muslim University incorporated, 1920. University of Bangalore incorporated 1920
2	Wed. (बुध)	" २	
3	Thur. (गुरु)	" ३	
4	Fri. (शुक्र)	" ४	
5	Sat. (शनि)	" ५	
6	Sun. (रवि)	" ६	Lucknow University incorporated. Coronation Day
7	Mon. (सोम)	" ७	
8	Tues. (मंगल)	" ८	
9	Wed. (बुध)	" ९	
10	Thur. (गुरु)	" १०	
11	Fri. (शुक्र)	" ११	Fourth Convocation of the Benares Hindu University 1921.
12	Sat. (शनि)	" १२	
13	Sun. (रवि)	" १३	
14	Mon. (सोम)	" १४	
15	Tues. (मंगल)	" १५	
16	Wed. (बुध)	पौष शुक्ल १	Annual meeting of the Court. +Eighth Convocation for conferring degrees
17	Thur. (गुरु)	" २	
18	Fri. (शुक्र)	" ३	
19	Sat. (शनि)	" ४	
20*	Sun. (रवि)	" ५	
21†	Mon. (सोम)	" ६	Winter Vacation begins
22	Tues. (मंगल)	" ७	
23	Wed. (बुध)	" ८	
24	Thur. (गुरु)	" ९	
25	Fri. (शुक्र)	" १०	
26	Sat. (शनि)	" ११	
27	Sun. (रवि)	" १२	
28	Mon. (सोम)	" १३	
29	Tues. (मंगल)	" १४	
30	Wed. (बुध)	" १५	
31	Thur. (गुरु)	माघ कृष्ण १	

The University

[1921—22.]

(*Vide Calendar for 1916—1921 Part II.*)

[1922—23.]

LORD RECTOR:

Ex-officio.—(*Section 5*).

His Excellency the Viceroy and Governor-General of India.

VISITOR:

Ex-officio.—(*Section 6*).

His Excellency the Governor of the United Provinces of Agra and Oudh.

PATRONS:

(*Statute 3 Sub-section 1*).

Clause (i) ~~Ex~~ Officio.

1. H. E. the Governor of Bengal.
2. H. E. the Governor of Madras.
3. H. E. the Governor of Bombay.
4. H. E. the Governor of Bihar and Orissa.
5. H. E. the Governor of the Punjab.
6. H. E. the Governor of Burma.

7. H. E. the Governor of Assam.
8. H. E. the Governor of the Central Provinces.
9. H. E. the Governor of the North-West Frontier Provinces.
10. The Chief Commissioner of British Baluchistan.
11. The Chief Commissioner of Delhi.
12. The Chief Commissioner of Ajmer-Merwara.
13. The Chief Commissioner of Coorg.
14. The Chief Commissioner of Andaman and Nicobar Islands.

Clause (ii).

1. *His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.
2. *His Highness Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I., Maharaja of Mysore.
3. *His Highness Maharaja Sir Pratap Singh Bahadur, G.C.S.I., G.C.I.E., Maharaja of Jammu and Kashmir.

Central India.

4. *His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G.C.S.I., G.C.V.O., LL.D., Maharaja of Gwalior.
5. *His Highness Maharajadhiraj Raj Rajeshwar Sawai Shri Tukoji Rao Bala Sahib Holkar, Maharaja of Indore.
6. *His Highness Maharaja Lokendra Govind Singh Bahadur, Maharaja of Datia.

Rajputana.

7. *His Highness Maharajadhiraj Maharana Fateh Singhji Bahadur, G.C.S.I., G.C.I.E., Maharana of Udaipur.
8. *His Highness Raj-Rajeshwar Narendra-Shiromani Shri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikanir.
9. *His Highness Maharao Sir Umed Singh Bahadur, G.C.S.I., G.C.I.E., Maharao of Kotah.
10. *His Highness Maharajadhiraj Sir Madan Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Kishengarh.
11. His Highness Sawai Maharaja Sir Jai Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Alwar.
12. *His Highness Maharaj-Rana Sir Bhawani Singh Bahadur, K.C.S.I., Maharaj-Rana of Jhalawar.

Punjab.

13. †His Highness Farzand-i-Khas Daulat-i-Inglishia, Mansur-ul-Zaman, Amir-ul-Umra Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
14. *His Highness Maharaja Ripudaman Singh Malavendra Bahadur, F.R.G.S., M.R.A.S., Maharaja of Nabha.
15. *His Highness Maharaja Sir Jagatjit Singh Bahadur, G.C.S.I., of Kapurthala.

*Appointed by His Excellency the Lord Rector, Vide Letter No. 518 (Government of India—Education), dated the 25th May, 1916.

†Appointed by His Excellency the Lord Rector, Vide Letter No. 976 (Government of India—Education), dated the 28th November, 1918.

United Provinces.

16. *His Highness Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., Maharaja of Benares.

VICE-PATRON :

(*Statute 3, Sub-section 2*).

The Hon'ble Maharajadhiraj Sir Rameshwar Singh Bahadur, G.C.I.E., of Darbhanga.

CHANCELLOR :

(*Statute 4*).

His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.

Elected 30th November, 1922.

PRO-CHANCELLOR :

(*Statute 6*).

His Highness Raj-Kajeshwar Narendra-Shiromani Shri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner.

Elected 30th November, 1922.

VICE-CHANCELLOR :

(*Statute 8*).

Pandit Madan Mohan Malaviya, B.A., LL.B.

Elected 30th November, 1922.

PRO-VICE-CHANCELLOR :

(*Statute 10*).

Principal A. B. Dhruva, M.A., LL.B.

Elected 30th November, 1922.

REGISTRAR :

Professor Syama Charan De, M.A.

Appointed 26th February, 1921.

TREASURER :

(*Statute 13*).

The Hon'ble Raja Moti Chand, C.I.E., Azmatgarh
Palace, Benares.

Appointed 30th November, 1922

AUDITORS :

1. Mr. K. L. Datta, M.A., F.S.S., F.R.E.S., Retired Accountant General, Calcutta.
2. Mr. Iqbal Kishen Munshi Gurtoo, B.A., Vakil, Fyzabad.

Appointed 30th November, 1922.

THE COURT.

(*Statute 14, Sub-section 1*).

Class I—Ex-officio Members.

1. *Chancellor*—His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.

2. *Pro-Chancellor*:—His Highness Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner.
3. *Vice-Chancellor*:—Pandit Madan Mohan Malaviya, B.A., LL.B., Allahabad.
4. *Pro-Vice-Chancellor*:—Principal A. B. Dhruva, M.A., LL.B., the Benares Hindu University.

Class II—Donors and their representatives.

Clause (a) :—

1. His Highness Maharaja Sir Pratap Singhji Bahadur, G.C.S.I., G.C.I.E., of Jammu and Kashmir.
2. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G.C.S.I., G.C.V.O., LL.D., of Gwalior.
3. His Highness Maharajadhiraj Raj-Rajeshwar Sawai Shri Tukoji Rao Holkar Bahadur, of Indore.
4. His Highness Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., LL.D., G.C.V.O., G.B.E., K.C.B., of Bikaner.
5. His Highness Raj-Rajendra Maharajadhiraj Sri Man Singhji Bahadur, of Jaipur.
6. H. H. Farzand-i-Khas Daulat-i-Inglishia Mansur-ul-zaman, Amir-ul-Umra, Maharaja-i-Rajgan, Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
7. H. H. Maharaja Sir Umed Singhji Bahadur of Jodhpur.

Clause (b) :—

1. H. H. Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., of Baroda.

2. H. H. Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I., of Mysore.
3. H. H. Maharajadhiraj Maharana Sir Fateh Singhji Bahadur, G.C.S.I., G.C.I.E., of Udaipur.
4. H. H. Maharao Sir Umed Singhji Bahadur, G.C.S.I., G.C.I.E., of Kotah.
5. H. H. Maharaja Sawai Sir Jey Singhji Bahadur, K.C.S.I., K.C.I.E., of Alwar.
6. H. H. Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., G.C.S.I., of Benares.
7. H. H. Maharajadhiraj Ripudaman Singh Malavendra Bahadur, F.R.G.S., M.R.A.S., of Nabha.
8. The Hon. Maharaja Sir Rameshwar Singh Bahadur, G.C.I.E., of Darbhanga.
9. The Hon. Maharaja Sir Manindra Chandra Nandy Bahadur, K.C.I.E., of Cossimbazar.
10. Rai Bahadur Seth Baldeodasji Birla, Lalghat, Benares.
11. The Hon'ble Raja Motichand; C.I.E., Azmatgarh Palace, Benares.
12. Babu Brajendra Kishore Roy Choudhury, Zamindar of Gouripur, District Mymensingh.
13. Raja Suraj Baksh Singh, Talukdar, Kasmanda, Sitapur.
14. Mahant Satish Chandra Giri, Mahant of Tarkeshwar.
15. Babu Jugal Kishore Birla of the Firm of Messrs. Baldeo Das Jugal Kishore, 18, Mullick Street, Calcutta.
16. Seth Ghanashyam Das Birla, 137, Canning Street, Calcutta.

17. Messrs. Baldeodas Hazarimal Dudhwale, Chorbagan, Calcutta.
18. Rai Sahib Sangidas Jesiram, New Marine Lines, Bombay.
19. Rai Ramnarayan Harnandrai Bahadur, Mont Pleasant, Bombay.
20. B. Barooah, Esq., 5, Royal Exchange, Calcutta.
21. Raja Suryajal Singh of Awagarh.
22. Seth Mulraj Khatau, 42, Ballard Road, Fort, Bombay.
23. Seth Mathuradas Vussanji Khimji, 3, Wallace Street, Bombay.

Clause (c) :—

1. H. H. Maharaj Rana Sir Bhawani Singhji Bahadur, K.C.S.I., of Jhalawar.
2. H. H. Maharaja Sir Jagat Jit Singhji Bahadur, G.C.S.I., of Kapurthala.
3. H. H. Maharaj-Rana Sir Udaibhan Singhji K.C.S.I., of Dholpur.
4. H. H. Maharaja Sir Madan Singhji Bahadur, K.C.S.I., K.C.I.E., of Kishengarh.
5. His Highness Maharawal Shri Lakshman Singhji, of Dungarpur.
6. Her Highness the Maharani Salteba (senior) of Bikaner.
7. Her Highness the Maharani Saheba (junior) of Bikaner.
8. The Maharaj Kumar Saheb of Bikaner.
9. Rani Surat Kuari K. I, H., of Khairigarh.
10. The Hon'ble Maharaja Sir Ravaneshwar Prasad Singh Bahadur of Gidhaur, District Monghyr.

11. The Hon'ble Raja Sir Rampal Singh, K. C. I. E., of Kurri Sudauli, Dist. Raibareilly.
12. Raja Ram Gopal Singh Bahadur of Manda, District Allahabad.
13. Raja Kirtyanand Sinha, B. A., Deorhi Champanagar, Dist. Purnea,
14. Raja Harihar Prasad Narayan Singh of Amawan, Patna.
15. Raja Lalta Prasad Bahadur of Pilibhit.
16. Raja Kristo Das Law, 2. Cornwallis Street, Calcutta.
17. Raja Rishee Kesh Law, C I.E., 96, Amherst Street, Calcutta.
18. Sir Sukhdeo Prasad, Kt., C. I. E., Minister, Jodhpur State,
19. Sir Prabha Shankar Dalpatram Pattani, K. C. I. E., Bhavanagar.
20. Sir Gangaram, Rai Bahadur, Kt., C I. E., M. V. O., Ganganivas, Lahore.
21. Babu Ganga Baksh Singh, Taluqdar of Tikari, Shahmau, Rai Bareili.
22. Rai Saheb Bhateley Shyam Beharilal, Rais, Beraree. Dist. Etawah.
23. Babu Madho Prasad Saheb, Banker, Rani Mandi, Allahabad
24. Babu Man Mohan Das, Banker, Rani Mandi, Allahabad.
25. Seth Radha Krishna Poddar of the Firm of Messrs. Tara Chand Ghanashyam Das, 10, Mullick Street, Calcutta.
26. Babu Chandi Charan Law, 223, Cornwallis Street, Calcutta

27. Babu Ambika Charan Law, 24, Sukia Street, Calcutta.
28. Babu Sourindra Mohan Singh, Zamindar, Bhagalpur.
29. Lala Kunjkishore Tandan Sachchavala, Banker, Etawah.
30. Pandit Someshwar Datta Sukul, B.A., Land-owner and Banker, Sitapur
31. Babu Chhedilal Agarwala, 3, Hastings Street, Calcutta.
32. Babu Jay Krishna Rohatgi of the Firm of Messrs. Kallu Babu Lal Chand, 45, Armenian Street, Calcutta.
33. Lala Ramnath Tandan Sachchavala, Banker, Etawah.
34. Babu Bishun Narain (minor), through Manager, Court of Wards, Fyzabad.
35. Sahu Ram Kumar, Kais, Thakurdwara, Dt. Moradabad.
36. Rai Sahib Chaudhury Raghbir Narain Singh, Rais, Asora, District Meerut.
37. The Hon. Lala Sukhbir Sinha, Zamindar and Banker, Muzaffarnagar.
38. Seth Narottam Morarjee Gokuldas, Pedder Road, Bombay.
39. Seth Ratansi Dharamsi Morarjee, Girgaon, Bombay.
40. Rai Govind Chand (minor), Rais, Mohalla Phatak Rangil Das, through the Court of Wards, Benares.
41. Akhauri Babu Prem Narain, Rais and Zamindar, Narain Villa, Gaya.
42. Mr. S. Srinivas Aiyanger, Advocate-General, Mylapore, Madras.
43. Seth Baldeo Das Rameshwardas, C/o Messrs. Sitalprasad Khargprasad, Bankers, 30, Burtolla Street, Calcutta.

44. Seth Hazarimal Sohanlal, C/o Messrs. Sitalprasad Kharg Prasad, Bankers, 30, Burtolla Street, Calcutta.
45. The Hon'ble Rai Ramsaran Das Bahadur, C. I. E., Rais, Lahore.
46. Babu Jainarain Taparia, Chandi Bazar, Bombay.
47. Babu Vithal Das Thakurdas, Silver Market, Bombay.
48. Babu Hiralal Bakordas, Silver Market, Bombay.
49. Babu Chammiram Motilal, Silver Market, Bombay.
50. Babu Moolchand Jeevraj (Kesavalal Moolchand), Silver Market, Bombay.
51. Seth Bacchraj Jammalal, 183/85, Kalbadevi Road, Bombay.
52. Messrs. Premchand Raichand and Sons, Fort, Bombay.
53. Babu Sriramji Ramnarain, Marwari Bazar, Bombay.
54. Seth Vithal Das Liladhar, Chartered Buildings, Bombay.
55. Babu Bankeylal, Marwaribazar, Bombay.
56. Babu Moongalal, Marwaribazar, Bombay.
57. Seth Tulsidas Morarji, Cloth Market, Bombay.
58. Seth Mathuradas Gokuldas, Cloth Market, Bombay.
59. Seth Mathuradas Naraindas, New Gamdevi Road, Bombay.
60. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort Bombay.
61. Srimati Monghi Bai, C/o Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.
62. Shrimati Kesar Bai, C/o Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.

63. Babu Pannalal Jivanlal, B. Bhagwantlal and B. Mohanlal, Malabar Hill, Bombay.
64. Seth Pooranchand Karamchand Kotwala, Bombay.
65. Mr. Jaithabhai Goolabchand, Share Market, Bombay.
66. Babu Manmohan Das Nemidas, Share Market, Bombay.
67. Babu Mansukhlal Chaganlal, Share Market, Bombay.
68. Seth Vussanjee Munjee, Malabar Hill, Bombay.
69. Seth Purshottam Ratansi, Share Market, Bombay.
70. Seth Khimji Assur Veerji, Fort, Bombay.
71. Messrs. Chotalal Kothari and Co., Share Market, Fort, Bombay.
72. Babu Shiva Narayanji Nemani, Silver Market, Bombay.
73. Babu Rameshwarji Jwala Datta, Silver Market, Bombay.
74. Babu Saroop Chand Prithiraj, Silver Market, Bombay.
75. Seth Amarchand Madhavaji, Calcutta.
76. Babu Chaju Ram, Calcutta.
77. B. Ramchandra, c/o. Messrs Tarachand Ghanshyamdas Zakaria Street, Calcutta.
78. Babu Bharat Indu, Farrukhabad.
79. Babu Gouri Shankar Goenka, Khurja.
80. Babu Rameshwar Das Birla, Birla House, Sandhurst Road, Bombay.
81. Seth Soorajmal Harnandrai, Bombay.
82. Messrs. Manilal Jugaldas, Bombay.

83. Seth Govindlal Shivalal Motilal, Bombay.
84. Seth Moolji Haridas, Dungarsey Street, Malabar Hill, Bombay.
85. Seth Shantidas Asukaran, Fort, Bombay.
86. Seth Kalachand Devchand, Share market, Bombay.
87. Seth Anandilal Poddar, Marwari-bazar, Bombay.
88. Seth Mangaldas Girdhardas Parekh, Ahmedabad.
89. Babu Brajmohan Lal Birla, Lalghat, Benares.
90. Seth Karsandas Tricundas, Chartered Buildings, Fort, Bombay.
91. Seth Chhabildas Lakshmidas, Napean Sea Road, Bombay.
92. Seth Ambalal Sarabhai, Ahmedabad.
93. Seth Chaturbhuj Gobardhandas of Messrs Moolji Jetha and Co., Fort, Bombay.
94. Seth Amritlal Ratanchand, Kalbadevi Road, Bombay.
95. Lala Jwala Prasad, B. A., C. E., Etawah.

Clause (d) :—

1. Pandit Ramesh Datta Pande, Education Department, Kashmir State, nominated by H. H. the Maharaja Bahadur of Jammu and Kashmir on 1st November, 1918.
2. Kunwar Chafn Singh, M. A., L. L. B., of Pokharan, nominated by H. H. the Maharaja of Jodhpur on 28th August, 1919.
3. Mashirud-daulah M. Govind Rao, B. A., L. L. B., nominated by H. H. the Maharaja Holkar of Indore, on 9th December, 1921.

4. Rai Kamta Prasad Bahadur, B. A., nominated by H. H. the Maharaja of Bikaner on 30th March, 1916.
5. Babu Sanjiban Ganguli, M.A., Asst. Accountant-General, Jaipur State, nominated by H. H. the Maharaja of Jaipur on 20th November, 1922.
6. Rai Bahadur Raoji Janardan Bhide of Gwalior, nominated by H. H. the Maharaja Scindia of Gwalior on 13th October, 1916.
7. Sardar Gokul Chand, Foreign Minister, Patiala State, nominated by H. H. the Maharaja of Patiala on 19th June, 1922.
8. Chaudhari Raghunandan Prasad Sinha, M. L. C., P. O. Silout, Dist. Muzaffarpur, nominated by Maharaja-dhiraj Bahadur of Darbhanga on 6th November, 1922.

Clause (e) :—

1. Babu Deviprasad Khaitan, B. A., B. L., c/o. Messrs. Birla Brothers & Co., Ltd., 137, Canning Street, Calcutta, nominated by Seth Ghanshyam Das Birla of Calcutta on 27th October, 1920.
2. Pandit Madhava Prasad, M. A., LL. B., c/o Seth Sheo Narayan Baldeodas, Marwari-bazar, Bombay, nominated by Seth Baldeodasji Birla of Calcutta on 27th October, 1920.
3. Pandit Ramakanta Malaviya, B. A., LL. B., George Town, Allahabad, nominated by Seth Jugal Kishore Birla of Calcutta on 27th October 1920.
4. Rao Krishnapal Singh, Awagarh House, Etah, nominated by Raja Surajpal Singh of Awagarh on 24th October, 1922.
5. Pandit Radhakanta Malaviya, Kalbadevi Road, Bombay, nominated by Rai Sangidas Jessiram.

6. Rai Sahib Satyendra Prasad Sanyal, Shivala, Benares City, nominated by Mr. Bholanath Barooah on 24th November, 1922.
7. Mr. Badridas Goenka, B, A., c/o. Messrs. Ramdutt Ram Kishen Das, 31, Banstollah Street, Calcutta, nominated by Rai Harnandrai Ramnarain Bahadur on 23rd November, 1922.

Class III—Elected Members.

Clause (a) :—

NO ELECTION.

Clause (b) :—

Elected on 23rd March, 1919.

1. Pandit Manohar Lal Zutshi, M. A., Assistant Director of Public Instruction, U. P.
2. Babu Beni Madhava Mehrotra, Agent, Benares Bank Limited, Muzaffarpur.
3. Dr. Sir P. C. Ray, Kt., C. I. E., D, Sc., Ph, D., 72, Upper Circular Road, Calcutta.
4. Rai Krishna Das, Rais, Benares.

Elected on 24th March, 1920.

5. Pandit Iqbal Narayan Gurtu, M. A., L L. B., Shantikunj Kamachcha, Benares.
6. Munshi Mahadeva Prasad, M. A., L L. B., M. L. A., Kalkagali, Benares.
7. Babu Purshottam Das Tandon, M. A., L L. B., Vakil, High Court, Jonstonganj, Allahabad.
8. Babu Shri Prakasa, Bar-at-Law, Sevashram, Sigra, Benares Cant.

9. Prof. Jogendra Nath Samaddar, Patna College, Patna.
10. Pandit Gur Sevak Upadhyaya, B. A., Deputy Collector, United Provinces.

Elected on 21st April, 1921.

11. The Hon'ble Mr. C. Y. Chintamani, Minister of Education and Industries U. P., Lucknow.
12. Babu Sundarlal Rajay, Rais, Fyzabad.
13. Babu Kamakhyadat Ram, Clyde Road, Lucknow.
14. Babu Manoharlal, Rais, Fyzabad.
15. Principal B. Sanjiva Rao, M. A., (Oxon), Queen's College, Benares.

Elected on 29th April, 1922.

16. The Hon'ble Justice Sir Ashutosh Mukerji, Kt., C. I. E., M. A., D. L., D. Sc., of Calcutta.
17. Dr. Sir J. C. Bose, Kt., C. S. I., C. I. E., D. Sc., Calcutta.
18. Dr. Rabindra Nath Tagore, D. Litt., Calcutta.
19. Professor Syama Charan De, M. A., Registrar, Benares Hindu University,
20. Pandit Hirdaya Nath Kunzru, M. A., B. Sc., M. L. C., Servants of India Society, Bank Road, Allahabad.
21. Pandit Prakash Narayan Sapru, M. A., LL. B., Bar-at-Law, Allahabad.
22. Dr. Hari Singh Gour, D. C. L., LL. D., M. L. A., Bar-at Law, Nagpur.*

*Elected for the residue of the term of Mahatma Mohandas Karamchand Gandhi, resigned, who was elected on 21st April, 1921.

23. The Hon'ble Mr. Purushottamdas Thakurdas, B. A.,
C. I. E., Bombay. †

Elected on 22nd June, 1923.

24. Sir Tej Bahadur Sapru, Allahabad.
25. The Hon'ble Pandit Jagat Narain, Lucknow.
26. Pandit Krishna Kanta Malaviya, Editor of the
"Abhyudaya," Allahabad.
27. The Hon'ble Mr. Justice Kanhaiyalal, Allahabad.
28. Babu Sitaram, Meerut.
29. Mrs. Sarojini Naidu, Hyderabad.
30. The Hon'ble Mr. Justice Gokul Prasad, Allahabad. ‡

Clause (c) :—

Elected on 6th January, 1919

1. The Hon'ble Mahamahopadhyaya Dr. Ganga Nath Jha,
M. A., D. Litt, Samskrit College, Benares.
2. Dr. Ganesh Prasad, M. A., D. Sc., Benares Hindu
University.

Elected on 6th December, 1919.

3. Dr. Chandra Sekhara Venkata Raman, M. A., D. Sc.,
College of Science, Calcutta.
4. Sant Teja Singh, M. A., LL. B., A. M., (Harvard),
Akali College, Lahore.

† Elected for the residue of the term of Lala Lajpat Rai resigned who was elected for the residue of the term of the late Lokamanya Balagangadhar Tilak. (Elected on 23rd March, 1919).

‡ Elected for the residue of the term of Babu Shiva Prasad Gupta resigned, who was elected on 23rd March, 1919

Elected on 31st March, 1921.

5. Professor N. P. Gandhi, M. A., B. Sc., A. R. S. M.,
A. I. M. M., F. G. S., Benares Hindu University.
6. Professor K. R. Gunjkar, B. A., B. Sc., Benares Hindu
University.

Elected on 28th October, 1921.

7. Dr. S. S. Bhatnagar, D. Sc., Benares Hindu University.
8. Mr. Lakshmi Narayan, M. A., Lucknow University,
Lucknow.

Elected on 31st October, 1922.

9. Professor P. Seshadri, M. A., Benares Hindu Uni-
versity.
10. Professor Madhava Rao Balaji Rane, M. A., Benares
Hindu University.

Clause (d) :—

Elected on 30th November 1918.

1. Pandit Nityananda Panta of Durgaghat, Benares.
2. Mahamahopadhyaya Pandit Sadashiva Misra, Puri.

Elected on 29th November, 1919.

3. Professor A. B. Dhruva, M.A., LL.B., Principal, Central
Hindu College, Benares Hindu University.
4. Pandit Dindayal Sharma, Rishibhavan, Brandeth Road,
Lahore.

Elected on 11th December, 1920.

5. Pandit Panchanana Tarkaratna, Bhatpara, 24-Parganas,
Bengal.
6. Mahamahopadhyaya Pandit Lakshmana Sastri Dravida,
Government Samskrit College, Calcutta.

7. Mahamahopadhyaya Pandit Jayadeva Misra, Benares.*

Elected on 14th December, 1921.

8. Pandit Madan Mohan Malaviya, B. A., LL. B., Benares Hindu University.
9. Pandit Ramavatara Sarma, M.A., Patna College, Patna.
10. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana, Ranamaharaj, Benares City.

Elected on 30th November, 1922.

11. Mahamahopadhyaya Sastri Hathibhai Harisankara, Jamnagar, Kathiawar.
12. Pandit Ambadasa Sastri, College of Oriental Learning, Benares Hindu University.
13. Mahamahopadhyaya Pandit Annada Charana Tarkachudamani, College of Oriental Learning, Benares Hindu University, Benares.
14. Pandit Ananta Rama Sastri, Ranavira Samskrit Pathashala, Benares.
15. Mahamahopadhyaya Pandit Vamacharana Bhattacharya, Jangambari, Benares.†

Clause (e) :—

Elected on 13th April, 1918.

1. Lala Parmanand, B. A., Pleader, Kasur,

*Pandit Jayadeva Misra was elected for the residue of the term of the late Mahamahopadhyaya Pandit Ramakrishna Shastri, who was elected on 30th November, 1918.

† Elected for the residue of the term of the late Pandit Srikrishna Sastri who was elected on 11th December, 1920.

Elected on 13th April, 1919.

2. Babu Puran Chand Nahar, M. A., B. L., M. R. A. S.,
Indian Mirror Street, Calcutta.

3. Sardar Sant Singh, Revenue Assistant, Hoshiarpur.

Elected on 11th December, 1920.

4. Babu Ajit Prasad, M. A., LL. B., Ajitashram, Lucknow.

5. (Vacant).

6. Sir Gur Bakhsh Singh Bedi, Kt., C. I. E.

7. Bhai Arjun Singh of Bagarian, District Ludhiana.

Elected on 14th December, 1921.

8. Dr. Nihal Karan Sethi, D.Sc., Benares Hindu University

9. Professor Gurmukh N. Singh, M. Sc., Benares Hindu
University.

Elected on 30th November, 1922.

10. Major-General Bakhshi Puran Singh of Kapurthala.

Clause (f) :—

Elected on 30th November, 1918.

1. Pandit Gokaran Nath Misra, M. A., LL. B., M. L. C.,
7, Neill Road, Lucknow.

Elected on 30th November, 1919.

2. Professor P. B. Adhikari, M. A., Benares Hindu University.

3. The Hon'ble Mr. Sachchidanda Sinha, Bar-at-Law
Patna.

4. Dr. Birbal Sahni, M. A., D. Sc., Lucknow University,
Lucknow.*

*Elected for the residue of the term of Rai Brajnarayan Gurtu, M. A., resigned who was elected on 30th November, 1918.

Elected on 11th December, 1920.

5. Sir Ganga Ram, Rai Bahadur, Kt., C. I. E., M. V. O., Lahore.

Elected on 14th December, 1921.

6. Professor P. K. Telang, M. A., LL. B., Benares Hindu University.
7. Rai Bahadur Pandit Baldev Ram Dave, 9, Elgin Road, Allahabad.
8. Mr. Kashi Prasad Jayaswal, M.A., (Oxon), Bar-at-Law, Bankipur.

Elected on 30th November, 1922.

9. Sir Devaprasad Sarvadhikari, Kt., M.A., LL.D., C.I.E., 20, Suri Lane, Calcutta.
10. Sir P. S. Sivaswamy Aiyer, K.C.S.I., C.I.E., B.A., B.L., "Sudharma" Mylapur, Madras.

Clause (g) :—

Elected on 30th November, 1918.

1. Dr. Gyanendra Nath Chakravarti, Rai Bahadur, M. A., LL. B., D. Sc., F. R. S. A., I. S. O., Vice-Chancellor, Lucknow University, Lucknow.
2. (Vacant).
3. Pandit Chhedai Lal, B. A., c/o Hakim Ram Chand, Kalibari, Bareilly.
4. Babu Guru Prasad Dhawan, B. A., Honorary Personal Assistant to the Pro-Vice-Chancellor, Benares Hindu University.

Elected on 29th November, 1919.

5. Professor P. K. Dutt, M. A., Benares Hindu University.

6. Pandit Prabhu Datta Agnihotri, Principal-in-Charge, College of Theology, Benares Hindu University.
7. Babu Gauri Shankar Prasad, B. A., LL. B., Bulanala, Benares.

Elected on 11th December, 1920.

8. Babu Upendra Nath Basu, B. A., LL. B., Chaukhamba, Benares.
9. Babu Hirendra Nath Datta, M. A., B. L., P. R. S., Solicitor, 139, Cornwallis Street, Calcutta.
10. Rai Purnendu Narayan Sinha Bahadur, M. A., B. L., M. L. C., Vakil, Bankipur.
11. Babu Iswar Saran, B. A., M. L. A., Vakil, High Court, Allahabad.
12. Dr. Balkrishna Kaul, Lahore.

Elected on 14th December, 1921.

13. Dr. Radhakumud Mukerji, M. A., Ph. D., P. R. S., Lucknow University, Lucknow.
14. Mr. V. N. Mehta, I. C. S., Cawnpore.
15. Sir Ashutosh Choudhury, M. A., LL. M., Bar-at-Law, Baliganj, Calcutta.
16. Professor V. G. Kale, M. A., Fergusson College, Poona.

Elected on 30th November, 1922.

17. Dr. Annie Besant, D. Litt., Adyar, Madras.
18. Babu Jnanendra Nath Basu, B. A., Assistant Secretary to the Council, Benares Hindu University, Benares.
19. Babu Govinda Das, Durgakund, Benares.
20. Babu Durga Prasad B. A., Laksa, Benares.

THE COUNCIL.

[STATUTE 17, SUB-SECTION I.]

Clause (1) Ex-officio Members.

[The Vice-Chancellor. | The Pro-Vice-Chancellor.]

Clause (ii)

(A) MEMBERS ELECTED BY THE COURT.

Elected on 11th December, 1920.

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|---------------------------|----------------------------|
| 1. Babu Govinda Das. | 3. Dr. Ganesh Prasad. |
| 2. B. Guru Prasad Dhavan. | 4. Pt. Ramakanta Malaviya. |

Elected on 14th December, 1921.

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| 5. The Hon. Raja Motichand. | 8. Prof. P. Seshadri. |
| 6. Sir Gangaram Kt. | 9. Babu Jwala Prasad. |
| 7. Munshi Mahadeva Prasad. | 10. Prof. Shyama Charan De* |

Elected on 30th November, 1922.

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|------------------------------|------------------------------|
| 11. Pt. Prabhudatta Sastri. | 16. B. Jnanendranath Basu. |
| 12. Dr. Annie Besant. | 17. Pt. Parmeshwarnath Sapru |
| 13. Dr. G. N. Chakravarti. | 18. Babu Durga Prasad. |
| 14. Pt. Baldev Ram Dave. | 19. B. Ghanshyam Das Birla. |
| 15. Pt. Iqbal Narayan Gurtu. | 20. (Vacant).† |

(b) MEMBERS ELECTED BY THE SENATE.

Elected on 30th October, 1920.

21. Professor P. K. Telang.

Elected on 7th January, 1922.

22. Professor M. B. Rane. | 23. Professor P. B. Adhikari.

Elected for the residue of the term of Mr. C. Y. Chintamani, who was elected on 11th December, 1920.

† Colonel Vindheshwari Prasad was elected for this vacancy but he could not accept the office.

Elected on 31st Oct., 1922 (with effect from 16th Dec., 1922.)

24. Principal Charles A. King. | 25. Prof. P. K. Dutt.

[STATUTE 17, SUB-SECTION 2].

Elected on 11th December, 1920.

26. Mr. Devi Prasad Khaitan.

Elected on 14th December, 1921.

27. Sir Devaprasad Sarvadhikari. | 28. Prof. V. G. Kale.

Elected on 30th November, 1922.

29. Rai Purnendu Narayan Sinha. | 30. Sir Sivaswami Aiyer

THE SENATE.

[STATUTE 19, SUB-SECTION 1.]

Class 1, Ex-Officio Members.

Clause (a) :—

The Chancellor.

The Vice-Chancellor.

The Pro-Chancellor.

The Pro-Vice-Chancellor.

Clause (b) :—

1. Principal A. B. Dhruva, M. A., LL. B., Central Hindu College, Benares (*Sanskrit*), (6-10-19).
2. Dr. Sir P. C. Roy, Kt., C. I. E., D. Sc. Ph. D., 72, Upper Circular Road, Calcutta, (*Chemistry*), (4. 11. 17).
3. Professor N. C. Nag, M. A., F. I. C., Bose Institute, Calcutta, (*Chemistry*), (12. 4. 19).
4. Dr. Nilratan Dhar, M. A., D. Sc., Muir Central College, Allahabad, (*Chemistry*), (27. 11. 21).*
5. Dr. C. V. Raman, M. A., D. Sc., College of Science, Calcutta, (*Physics*), (with effect from 12. 2. 23).*

* Appointed Honorary University Professor for a period of two years.

6. Professor Bertram Keightley, M. A., Bar-at-Law, C/o. Dr. Gyanendranath Chakravarti, Vice-Chancellor, Lucknow University, Lucknow, (*Philosophy*), (with effect from 12. 2. 23).*
7. Professor V. G. Kale, M. A., Fergusson College, Poona, (*Economics*), (27. 11. 21).*
8. Professor H. R. Batheja, M. A., Patna College, Patna, (*Economics*), (27. 11. 21).*
9. Professor P. K. Telang, M. A., L. L. B., Theosophical Society, Benares, (*History*), (25. 2. 22).*
10. Dr. Ganesh Prasad, M. A., D. Sc., Central Hindu College, Benares, (*Mathematics*), (13. 4. 18).
11. Professor K. R. Gunjekar, B. A., B. Sc., Central Hindu College, Benares, (*Physics*), (3. 5. 20).
12. Dr. S. S. Bhatnagar, M. Sc., D. Sc., Central Hindu College, Benares, (*Chemistry*), (26. 9. 21).
13. Professor R. S. Inamdar, B. Ag., (Bombay) B. Sc., (Cantab), Central Hindu College, Benares, (*Biology*) (2. 5. 20).
14. Professor Charles A. King, B. Sc., A. R. C. Sc., Principal, Engineering College, Benares, (*Mechanical Engineering*), (13. 8. 18).
15. Professor N. P. Gandhi, M. A., B. Sc., A. R. S. M., A. I. M. M., F. G. S., Benares Hindu University, Benares, (*Mining and Metallurgy*), (6. 10. 19), (9. 8. 20).
16. Professor Krishna Kumar Mathur, B. Sc., A. R. S. M., Central Hindu College, Benares, (*Geology*), (9. 8. 20).
17. Mr. L. D. Coueslant, B. Sc., (*Mechanical Engineering*), (9. 1. 21),

* Appointed Honorary University Professor for a period of two years.

3. Professor Nil Kamal Bhattacharya, M.A., Central Hindu College, Benares, (28. 10. 21).
4. Pandit Gopinatha Kaviraj, M.A., Sarasvati Bhavana, Benares, (28. 10. 21).
5. Professor Syam Sundar Das, B.A., Central Hindu College, Benares. (8. 11. 22).

Class III—Nominated Members.

N. B.—Nominated members hold office for five years.

1. The Hon'ble Sir C. F. de la Fosse, Kt., M.A., D.Litt. C.I.E., Vice-Chancellor, Allahabad University, Allahabad, (15. 1. 20).
2. Mr. G. Clarke, F.I.C., F.C.S., Offg. Director of Agriculture, U. P., Cawnpore. (3. 3. 21).
3. Mr. H. Burkinshaw, 8. Chowringhee Mansions, Calcutta. (21. 8. 21).
4. Mr. S. G. Elton, of the firm of Messrs. Worthington Simpson Ltd., Calcutta. (21. 8. 21).
5. Mr. Arthur Devon, M.Sc., M.I.M.E., M.Inst., T.M.I.E., (India). Loco Superintendent, East Indian Railway, Jamalpur, (26. 3. 23).*

THE SYNDICATE.

(Statute 21, Sub-section 1).

Note—The elected members of the Syndicate hold office for three years.

Ex-officio Members.

1. The Vice-Chancellor.
2. The Pro-Vice-Chancellor.

*Appointed with effect from the 1st April, 1923, for the residue of the term of Mr. W. J. Tomes resigned who was nominated with effect from 20th December, 1922.

Elected Members.†*Elected on 30th October, 1920.*

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|---------------------------|-------------------------|
| 1. Dr. G. N. Chakravarti. | 4. Prof. R. S. Inamdar. |
| 2. Prof. P. K. Telang. | 5. Prof. P. K. Dutt. |
| 3. Prof. Charles A. King. | |

Elected on 7th January, 1922.

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|--------------------------|----------------------------|
| 6. Dr. Ganesh Prasad. | 9. Prof. Krishna Kumar Ma- |
| 7. Prof. K. R. Gunjekar. | thur. |
| 8. Dr. S. S. Bhatnagar. | 10. Prof. R. L. Turner.* |

Elected on 31st October, 1922.

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|---------------------------|-----------------------------|
| 11. Prof. P. Seshadri. | 14. Prof. N. P. Gandhi. |
| 12. Prof. P. B. Adhikari. | 15. Prof. Gurmukh N. Singh. |
| 13. Prof. M. B. Rane. | |

THE FACULTY OF ARTS.**Dean :**

Pandit Madan Mohan Malaviya, B.A., LL.B., (30. 10. 22).

Members :

(A) MEMBERS ASSIGNED BY THE SENATE UNDER STATUTE 23 (2).

Assigned on 31st October, 1922.

- | | |
|---|-----------------------------------|
| 1. The Chancellor. | 6. Dr. Annie Besant. |
| 2. The Pro-Chancellor. | 7. Dr. G. N. Chakravarti. |
| 3. Pandit Madan Mohan
Malaviya. | 8. Sir P. C. Roy. |
| 4. Principal A. B. Dhruva. | 9. Prof. P. K. Telang. |
| 5. The Hon'ble Maharaja
Sir Rameshwar Singh
of Darbhanga. | 10. Dr. C. V. Raman. |
| | 11. Prof. Bertram Keight-
ley. |

†Professor L. D. Coueslant was elected for the residue of the term of Professor R. L. Turner on the 26th January, 1923.

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| 12. Dr. Ganesh Prasad. | 21. Prof. Syama Charan De. |
| 13. Babu Govinda Das. | 22. Prof. Lakshmi Narayan. |
| 14. Pandit Manoharlal Zutshi. | 23. Prof. P. Seshadri. |
| 15. Pandit Srikrishna Joshi. | 24. Prof. P. B. Adhikari. |
| 16. The Hon'ble Sir C. F. de la Fosse. | 25. Prof. M. B. Rane. |
| 17. Prof. V. G. Kale. | 26. Prof. H. L. Chablani. |
| 18. Prof. H. R. Batheja. | 27. Prof. Nilkamal Bhattacharya. |
| 19. Dr. S. S. Bhatnagar. | 28. Prof. R. S. Inamdar. |
| 20. Mr. Kashi Prasad Jayswal. | 29. Prof. Gurmukh N. Singh. |

Assigned on 8th November, 1922.

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|----------------------------|-------------------------------|
| 30. Prof. Syam Sundar Das. | 31. Prof. Chandramauli Sukul. |
|----------------------------|-------------------------------|

Assigned on 21st March, 1923.

32. Mahamahopadhyaya Pandit Pramatha Natha Tarkabhusana.

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on the 7th November, 1922.

1. Professor Anukul Chandra Mukerji, M.A., Central Hindu College, Benares.
2. Pandit Kashi Rama, M.A., Inspector of Samskrit Pathshalas, United Provinces, Benares.
3. Professor H. B. Malkani, M.A., Teachers' Training College, Benares.
4. Professor Chandi Prasad, M.A., Queen's College, Benares.
5. Pandit Braj Narain Chakbast, B.A., LL.B., Vakil, High Court, Golaganj, Lucknow.

6. Maulvi Mohammad Hasan, Teacher of Urdu, Central Hindu College, Benares.
7. Professor Surendra Nath Bhattacharya, M.A., Central Hindu College, Benares.
8. Professor Manohar Lal, M.A., Bar-at-Law, Lahore.
9. Professor Jivan Shankar Yajnik, M.A., LL.B., Central Hindu College, Benares.
10. Pandit Iqbal Narain Gurtu, M.A., LL.B., Shanti Kunj, Benares.
11. Mr. Marichiman Singh, Bara Quazi.
12. Pandit A. Chinnaswami Sastri, College of Oriental Learning, Benares.
13. Professor Ganga Prasad Mehta, M.A., Central Hindu College, Benares.
14. Pandit Ambica Prasad Upadhyaya, Exhibition Road, Patna.
15. Professor Harendra Nath Datta, M.Sc., Central Hindu College, Benares.
16. Professor Shyam Narayan Lal, M.A., B.L., Central Hindu College, Benares.
17. Professor Indra Deva Tewari, M.A., Central Hindu College, Benares.
18. Pandit Hirdaya Nath Kunzru, M.A., B.Sc., Servants of India Society, 6, Bank Road, Allahabad.
19. Pandit Batuk Nath, M.A., Central Hindu College, Benares.
20. Dr. Tarachand, M.A., Principal, Kayastha Pathshala, Allahabad.

21. Professor Krishnanandan Prasad, M.A., Bar-at-Law, Central Hindu College, Benares.
22. Professor R. H. Nixon, M.A., Lucknow University, Lucknow.
23. Professor Gyanchand, M.A., Central Hindu College, Benares.
24. Professor K. C. Bhattacharya, M.A., P.R.S., No. 4, Panchanantola Lane, Serampore, Bengal.
25. Dr. B. M. Barooah.
26. Professor B. M. Ghoshal, M.A., Teachers' Training College, Benares.
27. Professor K. C. Chatterji, M.A., Central Hindu College, Benares.
28. Pandit Ramachandra Shukla, Central Hindu College, Benares.

Co-opted on 8th November, 1922.

29. Pandit Vidhusekhar Sastri.
 30. Professor P. Subramaniam, M.A., Teachers' Training College, Benares.
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THE FACULTY OF SCIENCE.

Dean:

Dr. Ganesli Prasad, M.A., D.Sc., (26. 10. 22).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 31st October, 1922.

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|------------------------------|----------------------------|
| 1. The Chancellor. | 14. Prof. R. S. Inamdar. |
| 2. The Pro-Chancellor. | 15. Prof. L. D. Coueslant. |
| 3. Dr. Sir P. C. Roy. | 16. Prof. K. K. Mathur. |
| 4. Dr. Annie Besant. | 17. Prof. N. P. Gandhi. |
| 5. Dr. G. N. Chakravarti. | 18. Prof. Syama Charan De. |
| 6. Dr. C. V. Raman. | 19. Prof. P. K. Dutt. |
| 7. Dr. Nilratan Dhar. | 20. Prof. M. B. Rane. |
| 8. Dr. S. S. Bhatnagar. | 21. Prof. Lakshmi Narayan. |
| 9. Dr. Ganesli Prasad. | 22. Prof. H. R. Mehra. |
| 10. Prof. N. C. Nag. | 23. Mr. W. J. Tones. |
| 11. Prof. Bertram Keightley. | 24. Mr. G. Clarke. |
| 12. Prof. Charles A. King. | 25. Mr. S. G. Elton. |
| 13. Prof. K. R. Gunjkar. | 26. Mr. H. Burkinshaw. |

Assigned on 27th April, 1923.

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| 27. Pandit Madan Mohan
Malaviya. | 28. Mr. Arthur Devon. |
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(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 6th November, 1922.

1. Dr. J. N. Mukerji, D.Sc., University College of Science, Calcutta.
2. Dr. Birbal Sahni, D.Sc., Lucknow University, Lucknow.
3. Dr. Karam Narain Bahl, M.A., Ph.D., Lucknow University, Lucknow.

4. Dr. Wali Mohanmad, M.A., Ph.D., Lucknow University, Lucknow.
5. Dr. Nihal Karan Sethi, D.Sc., Central Hindu College, Benares.
6. Professor Nand Kumar Tewari, M.Sc., Central Hindu College, Benares.
7. Professor Hari Chand Ahuja, M.Sc., Central Hindu College, Benares.
8. Professor Phuldeo Sahay Varma, M.Sc., Central Hindu College, Benares.
9. Professor Shukdeva Pande, M.Sc., Central Hindu College, Benares.
10. Professor Pashupati Prasad, M.A., B.Sc., Central Hindu College, Benares.
11. Professor N. N. Godbole, M.A., B.Sc., Central Hindu College, Benares.
12. Professor Sricharan Varma, M.Sc., Central Hindu College, Benares.
13. Professor Harendra Nath Datta, M.Sc., Central Hindu College, Benares.
14. Professor Gorakh Prasad, M. Sc., Central Hindu College, Benares.
15. Professor Bhim Chandra Chatterjee, B. A., B. Sc., Engineering College, Benares.
16. Professor R. S. Jain, B. Sc., Engineering College, Benares.
17. Professor R. D. Gulatee, B. Sc., Engineering College, Benares.

18. Professor Dakshina Ranjan Bhattacharya, M. Sc., Muir Central College, Allahabad.
 19. Professor P. Parija, M. A., Ravenshaw College, Cuttack.
 20. Professor S. P. Prasad, B. A., B. Sc., Agra College, Agra.
 21. Professor Kamta Prasad, B. A., M. Sc., Patna College, Patna.
 22. Mr. D. N. Wadia, M. A., Assistant Superintendent, Geological Survey of India, 27, Chowringhee Road, Calcutta.
 23. Mr. Lakshmi Prasad Mathur, M. Sc., University Lecturer in Zoology, Lucknow University, Lucknow.
 24. Professor Shiva Ram Kashyap, M. Sc., Government College, Lahore.
 25. Mr. P. C. Speers, Professor of Industrial Chemistry, Forman Christian College, Lahore.
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- 38 THE BENARES HINDU UNIVERSITY, 1922—23.
14. Kaviraj Dharmadasa, Dasaswamedh Ghat, Benares.
 15. Pandit Viresvara Sastri Dravida, Senior Professor of Samskrit, Maharaja's College, Jaipur.
 16. Pandit Vidyadhara Gouda, College of Theology, Benares Hindu University, Benares.
 17. Pandit A. Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University, Benares.
 18. Pandit Achyutananda Tripathi, College of Oriental Learning, Benares Hindu University, Benares.
 19. Pandit Tryambaka Sastri, Bibihatia, Benares.
 20. Pandit Ananta Rama Sastri, Ranavira Samskrit Pathashala, Benares.
 21. Pandit Chandradhar Shastri Sharma, College of Oriental Learning, Benares Hindu University, Benares.
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THE FACULTY OF THEOLOGY.

Dean ;

PANDIT PRABHUDATTA SASTRI (27. 10. 22).

Members :

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2)*Assigned on 31st October, 1922.*

- | | |
|---|--------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 8. Babu Govinda Das. |
| 2. Principal A. B. Dhruva. | 9. Kaviraj Umacharana Bhattacharya. |
| 3. The Hon'ble Maharaja Sir Rameshwar Singh Bahadur of Darbhanga. | 10. Pandit Srikrishna Joshi. |
| 4. Mahamahopadhyaya Yadvavesvara Tarkaratna. | 11. Professor Nilkamal Bhattacharya. |
| Mahamahopadhyaya Hara Narayana Sastri. | 12. Pandit Gopi Nath Kaviraj. |
| 6. Pandit Prabhudatta Sastri. | 13. Professor P. Seshadri. |
| 7. Pandit Ambadasa Sastri. | 14. Professor P.B. Adhikari. |
| | 15. Mr. Kashi Prasad Jayswal. |

Assigned on 21st March, 1923.

16. Mahamahopadhyaya Pandit Pramatha Natha Tarkabhushana.

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER REGULATION 12 OF CHAPTER III.

Co-opted on 7th November, 1922.

1. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares.
2. Mahamahopadhyaya Pandit Durga Prasada Dvivedi, Government Sanskrit College, Jaipur.

3. Mahamahopadhyaya Pandit Pramathanatha Tarkabhushana, Principal, College of Oriental Learning, Benares Hindu University.
4. Pandit Ramayatra Ojha, College of Oriental Learning, Benares.
5. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, College of Oriental Learning, Benares.
6. Pandit Radha Prasada Sastri, Central Hindu College, Benares.
7. Pandit Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University.
8. Pandit Anantarama Sastri, Ranavira Sanskrit Pathshala, Benares.
9. Pandit Kashi Rama M. A., Inspector of Sanskrit Pathshalas, U. P., Benares.
10. Pandit Viresvara Sastri Dravida, Senior Professor of Sanskrit, Maharaja's College, Jaipur.
11. Pandit Giridhara Sarma Chaturvedi, Sanatana Dharma Sanskrit College, Lahore.
12. Pandit Vidyadhara Gouda, College of Oriental Learning, Benares.
13. Pandit Hari Rama Pandeya, B. A., LL.B., Religious Instructor, Benares Hindu University, Benares.
14. Pandit Achyutananda Tripathi, College of Oriental Learning Benares Hindu University, Benares.

THE FACULTY OF LAW.

Dean :

Pandit Madan Mohan Malaviya, (30. 10. 22).

Members :

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 31st October, 1922.

- | | |
|---------------------------------|---------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 5. Professor Bertram Keightley. |
| 2. Principal A. B. Dhiruva. | 6. Babu Govinda Das. |
| 3. Dr. G. N. Chakravarti. | 7. Professor P. K. Telang. |
| 4. Pt. Baldev Ram Dave.* | 8. Mr. Kashi Prasad Jayaswal |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 7th November, 1922.

1. Pandit Gokaran Nath Misra, M. A., LL. B., Neill Road, Lucknow.
2. The Hon'ble Justice Gokul Prasad, Rai Bahadur, Judge, Allahabad High Court, Allahabad.
3. Rai Bahadur Pandit Kanhaiyalal, M. A., LL. B., Additional Judicial Commissioner, Oudh, Lucknow.
4. Dr. Kailash Nath Katju, M. A. LL. D., Allahabad.
5. Munshi Mahadeva Prasad, M. A., LL. B., M. L. A., Vakil, High Court, Kalkagali, Benares City.
6. Pandit Ramakanta Malaviya, B.A., LL.B., Bharati Bhavan Allahabad.
7. Babu Gouri Shankar Prasad, B. A., LL. B., Vakil, Bula-nala, Benares.
8. Pandit Krishna Ram Mehta, Editor, "the Leader", Allahabad.

Originally assigned to the Faculty of 1921-22 on 13th August, 1922.

THE BOARDS OF STUDIES.

(A) THE BOARDS OF STUDIES IN THE FACULTY OF ARTS.

ENGLISH (7)*

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|---------------------------------|-------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Professor R. H. Nixon. |
| 2. Principal A. B. Dhruva. | 5. Professor Krishna Nandan Prasad. |
| 3. Prof. Bertram Keightley. | 6. Professor Jivan Shankar Yajnik. |

7. Professor P. Seshadri (*Convener*).

PHILOSOPHY (7)*

- | | |
|---------------------------------|--------------------------------------|
| 1. Principal A. B. Dhruva. | 4. Professor K. C. Bhatta-Charya. |
| 2. Professor Bertram Keightley. | 5. Prof. Indradev Tiwari. |
| 3. Babu Govinda Das. | 6. Professor Anukul Chandra Mukerji. |

7. Professor Phanibhusan Adhikari (*Convener*)

HISTORY (7)

- | | |
|---------------------------------|-------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Mr. K. P. Jayaswal. |
| 2. Principal A. B. Dhruva. | 5. Pandit Hriday Nath Kunzru. |
| 3. Dr. Tara Chand. | 6. Professor H. L. Chabhani. |

7. Professor P. K. Telang (*Convener*)

MATHEMATICS (7)

- | | |
|-------------------------------|---|
| 1. Dr. G. N. Chakravarti. | 4. Professor Chandi Prasad. |
| 2. Professor Lakshmi Narayan. | 5. Professor Harendra Nath Datta. |
| 3. Professor Syama Charan De. | 6. Dr. Ganesh Prasad (<i>Convener</i>). |

* Appointed on 7th November, 1922.

ECONOMICS (7)*

- | | |
|---|------------------------------|
| 1. Professor P. K. Telang. | 4. Professor H. R. Batheja. |
| 2. Professor V. G. Kale. | 5. Professor Gyan Chand. |
| 3. Professor Manohar Lal. | 6. Professor H. L. Chablani. |
| 7. Professor Gurmukh N. Singh, (<i>Convener</i>). | |

SAMSKRIT AND PALI (7)*

- | | |
|---------------------------------|---|
| 1. Pandit Madan Mohan Malaviya. | 4. Professor Nilkamal Bhattacharya. |
| 2. Professor P. K. Telang. | 5. Mr. Kashi Prasad Jayaswal. |
| 3. Pandit Kashi Rama. | 6. Principal A. B. Dhruva, (<i>Convener</i>). |

ARABIC AND PERSIAN (7)*

- | | |
|--|----------------------------------|
| 1. Pandit Manohar Lal Zutshi. | 4. Professor Shyam Narayan Lal. |
| 2. Pandit Iqbal Narayan Gurtu. | 5. Professor H. L. Chablani. |
| 3. Maulvi Mohammad Hasan. | 6. Pandit Braj Narayan Chakbast. |
| 7. Professor H. B. Malkani, (<i>Convener</i>). | |

HINDI (7)†

- | | |
|---|------------------------------------|
| 1. Professor Chandra Mouli Sukul. | 4. Professor Jivan Shankar Yajnik. |
| 2. Pandit Kashi Rama. | 5. Mr. K. P. Jayaswal. |
| 3. Professor Ganga Prasad Mehta. | 6. Pandit Ramachandra Shukla. |
| 7. Professor Shyam Sundar Das, (<i>Convener</i>). | |

URDU (7)*

- | | |
|-------------------------------|---------------------------|
| 1. Pandit Manohar Lal Zutshi. | 2. Moulvi Mohammad Hasan. |
|-------------------------------|---------------------------|

*Appointed on the 7th November, 1922.

†Appointed on 8th November, 1922.

- | | |
|--------------------------------------|---|
| 3. Pandit Braj Narain Chak-
bast. | 5. Professor Shyam Narain
Lal. |
| 4. Pandit Iqbal Narain
Gurtu. | 6. Dr. S. S. Bhatnagar.
(<i>Convener</i>). |

BENGALI (7)*

- | | |
|--|---|
| 1. Professor Phani Bhusan
Adhikari. | 4. Professor Harendra Nath
Datta. |
| 2. Professor Anukul Chan-
dra Mukerji. | 5. Professor Surendra Nath
Bhattacharya. |
| 3. Professor Syama Charan
De. | 6. Professor B. M. Gho-
sal. |
| 7. Professor Nilkamal Bhattacharya, (<i>Convener</i>). | |

PARBATIA (3)*

- | | |
|--|--------------------------|
| 1. Pandit Ambika Prasad
Upadhyaya. | 2. Mr. Marichiman Singh. |
| 3. Professor Phani Bhusan Adhikari, (<i>Convener</i>). | |

SINDHI (7)*

- | | |
|--|-----------------------------|
| 1. Professor H. L. Chab-
lani. | 2. Professor H. R. Batheja. |
| 3. Professor H. B. Malkani, (<i>Convener</i>). | |

MARATHI AND GUJARATI (7)*

- | | |
|---|---------------------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor M. B. Kane. |
| 2. Professor P. K. Telang. | 4. Professor Jivan Shankar
Yajnik. |
| 5. Professor Ganga Prasad Mehta, (<i>Convener</i>). | |

TAMIL AND TELUGU (7)*

- | | |
|--|------------------------------------|
| 1. Dr. C. V. Raman. | 2. Pandit ChinnaSwami Sas-
tri. |
| 3. Professor P. Seshadri, (<i>Convener</i>). | |

ASSAMESE†

- | | |
|--|-----------------------------------|
| 1. Mr. B. M. Barooah. | 2. Professor Harendra Nath Datta. |
| 3. Professor Phani Bhusan Adhikari, (<i>Convener</i>). | |

KANARESE AND MALAYALAM (3)*

- | | |
|---|-----------------------------|
| 1. Professor R. S. Inamdar. | 2. Professor P. Subramaniam |
| 3. Professor P. Seshadri (<i>Convener</i> .) | |

TEACHING (7)*

- | | |
|---|--------------------------------|
| 1. Pandit Manohar Lal Zutshi. | 4. Mr. B. M. Ghosal. |
| 2. Dr. G. N. Chakravarti. | 5. Pandit Iqbal Narayan Gurtu. |
| 3. Professor P. K. Telang. | 6. Professor H. B. Malkani. |
| 7. Professor Chandra Mauli Sukul (<i>Convener</i>). | |

MODERN EUROPEAN LANGUAGES (7)†

- | | |
|--------------------------------|---|
| 1. Professor Bertram Keightly. | 3. Professor R. S. Inamdar. |
| 2. Dr. S. S. Bhatnagar. | 4. Dr. Ganesh Prasad (<i>Convener</i>). |

COMMERCE (5)*

- | | |
|--|----------------------------|
| 1. Dr. Ganesh Prasad. | 3. Professor P. K. Telang. |
| 2. Professor H. L. Chablani. | 4. Professor Gyan Chand. |
| 5. Professor Gurmukh N. Singh (<i>Convener</i> .) | |

(B) THE BOARDS OF STUDIES IN THE FACULTY OF SCIENCE.

(*Appointed on 6th November, 1922.*)

CHEMISTRY (7)

- | | |
|---|----------------------------|
| 1. Professor M. B. Rane. | 4. Dr. Nilratan Dhar. |
| 2. Professor Phuldeo Sahaya Varma. | 5. Dr. J. N. Mukerji. |
| 3. Professor N. N. Godbole. | 6. Professor N. P. Gandhi. |
| 7. Dr. S. S. Bhatnagar (<i>Convener</i> .) | |

*Appointed on 8th November, 1922.

†Appointed on 7th November, 1922

PHYSICS (7)

- | | |
|--|-------------------------------|
| 1. Professor K. R. Gunjekar. | 4. Professor S. P. Prasad. |
| 2. Dr. C. V. Raman. | 5. Dr. Wali Mohammad. |
| 3. Dr. N. K. Sethi. | 6. Principal Charles A. King. |
| 7. Professor P. K. Dutt (<i>Convener</i>). | |

MATHEMATICS (7)

- | | |
|---|-----------------------------------|
| 1. Professor Syama Charan De. | 4. Professor Gorakh Prasad. |
| 2. Professor Pashupati Prasad. | 5. Professor Harendra Nath Datta. |
| 3. Professor Shukdeva Pande. | 6. Professor K. R. Gunjekar. |
| 7. Dr. Ganesh Prasad (<i>Convener</i>). | |

ZOOLOGY (7)

- | | |
|--|-------------------------------|
| 1. Professor D. R. Bhatta-charya. | 3. Mr. Lakshmi Prasad Mathur. |
| 2. Dr. Karam Narain Bahl. | 4. Professor H. C. Ahuja. |
| 5. Professor Sri Charan Varma (<i>Convener</i>). | |

BOTANY (7).

- | | |
|-----------------------------|---------------------------------|
| 1. Professor R. S. Inamdar. | 5. Professor Shiva Ram Kashyap. |
| 2. Dr. Birbal Sahni. | 6. Professor N. K. Tiwari. |
| 3. Professor H. C. Ahuja. | 4. Professor P. Parija. |
| (Convener). | |

GEOLOGY AND MINERALOGY (7).

- | | |
|--|--------------------------|
| 1. Principal Charles A. King. | 3. Professor P. K. Dutt. |
| 2. Professor K. K. Mathur. | 4. Mr. D. N. Wadia. |
| 5. Professor N. P. Gandhi (<i>Convener</i>). | |

ENGINEERING (9).

- | | |
|--------------------------------------|-------------------------------|
| 1. Professor Bhim Chandra Chatterji. | 5. Professor P. K. Dutt. |
| 2. Professor N. P. Gandhi. | 6. Professor L. D. Couselant. |
| 3. Mr. W. J. Tomes. | 7. Professor R. D. Gulattee. |
| 4. Professor R. S. Jain. | 8. Principal Charles A. King |
| (Convener). | |

(Appointed on 15th March, 1923).

MINING AND METALLURGY (7).

- | | |
|-------------------------------|----------------------------|
| 1. Principal Charles A. King. | 4. Professor K. K. Mathur. |
| 2. Professor P. K. Dutt. | 5. Professor N. P. Gandhi. |
| 3. Professor L. D. Couselant. | (Convener). |

INDUSTRIAL CHEMISTRY INCLUDING GENERAL AND CHEMICAL ENGINEERING (7).

- | | |
|-------------------------------|---|
| 1. Principal Charles A. King. | 4. Mr. B. C. Chatterji. |
| 2. Professor N. P. Gandhi. | 5. Mr. P. C. Speers. |
| 3. Sir P. C. Roy. | 6. Professor N. N. Godbole
(Convener.) |

(C) BOARDS OF STUDIES IN THE FACULTY OF ORIENTAL LEARNING.

Appointed on 7th November, 1922.

VEDA SRAUTA (5)

- | | |
|-----------------------------|----------------------------|
| 1. Mahamahopadhyaya Sastri | 3. Pandit Ambadasa Sastri. |
| Hathubhai Harisankara. | 4. Pandit Chinnaswami Sas- |
| 2. Pandit Vidyadhara Gouda. | tri. |

5. Pandit Prabhudatta Sastri, (Convener).

DHARMASASTRA-AGAMA (5)

- | | |
|----------------------|----------------------------|
| Mahamahopadhyaya | 3. Pandit Prabhudatta Sas- |
| Pandit Pramathanatha | tri. |
| Tarkabhusana. | 4. Mahamahopadhyaya Pan- |
| 2. Mahamahopadhyaya | dit Annada Charana |
| Pandit Hara Narayana | Tarkachudamani. |
| Sastri. | |

5. Pandit Radha Prasada Sastri, (Convener).

PURVA MIMAMSA (5)

- | | |
|--|---|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Mahamahopadhyaya Pan-
dit Annada Charana
Tarkachudamani. |
| 2. Pandit Prabhudatta Sas-
tri. | 4. Pandit Viresvara Sastri
Dravida. |
| 5. Pandit Chinnaśwami Sastri, (<i>Convener</i>). | |

VEDANTA (5)

- | | |
|--|--|
| 1. Mahamahopadhyaya
Pandit Jayadeva Misra | 3. Pandit Ambadasa Sastri. |
| 2. Mahamahopadhyaya
Pandit Vama Charana | 4. Pandit Atchyutananda
Tripathi. |
| Nyayacharya. | 5. Principal A. B. Dhruva,
(<i>Convener</i>). |

SANKHYA-YOGA (5)

- | | |
|---|---------------------------------------|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Pandit Ambadasa Sastri. |
| 2. Pandit Anantarama Sastri | 4. Professor Phanibhusan
Adhikari. |
| 5. Mahamahopadhyaya Pandit Annada Charana
Tarkachudamani, (<i>Convener</i>). | |

NYAYA VAISESIKA (5)

- | | |
|--|---|
| 1. Principal A. B. Dhruva. | 3. Pandit Sri Sankara Tar-
karatna. |
| 2. Mahamahopadhyaya
Pandit Vama Charana | 4. Pandit Chandradhara Sar-
ma. |
| Nyayacharya. | 5. Pandit Ambadasa Sastri, (<i>Convener</i>). |

VYAKARANA (5)

- | | |
|---|--|
| 1. Pandit Chandradhara
Sarma. | 3. Pandit Anantarama Sas-
tri. |
| 2. Pandit Giridhara Sarma
Chaturvedi. | 4. Pandit Viresvara Sastri
Dravida. |
| 5. Mahamahopadhyaya Pandit Jayadeva Misra, (<i>Convener</i>). | |

KAVYA SAHITYA (5)

- | | |
|--|--|
| 1. Mahamahopadhyaya
Pandit Yadavesvara
Tarkaratna. | 3. Pandit Kashi Rama.
4. Principal A. B. Dhruva.
5. Pandit Chandradhara
Sarma, (<i>Convener</i>). |
| 2. Pandit Harihara Swa-
roop Sastri. | |

JYAUTISA (5)

- | | |
|------------------------------------|---|
| 1. Pandit Muralidhara Jha. | 3. Prof. Syama Charan De. |
| 2. Pandit Prabhudatta Sas-
tri. | 4. Pandit Ramayatra Ojha,
(<i>Convener</i>). |

VAIDYAKA (7)

- | | |
|---|--|
| 1. Mahamahopadhyaya Ka-
viraj Gananatha Sen. | 3. Pandit Tryambaka Sas-
tri. |
| 2. Kaviraj Uma Charana
Bhattacharya. | 4. Kaviraj Dharmadasa,
(<i>Convener</i>). |

PALI AND PRAKRITA (5)

- | | |
|---|------------------------------------|
| 1. Pandit Gopinath Kaviraj. | 3. Mr. Kashi Prasad Jayas-
wal. |
| 2. Professor P. K. Telang. | |
| 4. Principal A. B. Dhruva, (<i>Convener</i>). | |

PURANA AND ITIHASA (5)

- | | |
|---|--|
| 1. Mahamahopadhyaya Pan-
dit Haranarayana Sas-
tri. | 4. Mahamahopadhyaya Pan-
dit Annadacharana
Tarkachudamani. |
| 2. Pandit Giridhara Sarma
Chaturvedi. | 5. Pandit Radha Prasada
Sastri, (<i>Convener</i>). |
| 3. Pandit Ambadasa Sastri. | |

HINDI (7)

- | | |
|------------------------------------|--------------------------------------|
| 1. Pandit Madan Mohan
Malaviya. | 3. Mr. Kashi Prasad Jayas-
wal. |
| 2. Professor Syamsundar-
das. | 4. Pandit Harihar Swaroop
Sastri. |

5. Pandit Chandramauli Sukul. | 6. Pandit Giridhara Sarma.
7. Pandit Kashi Rama, (*Convener*).

CHEMISTRY (7)

1. Mahamahopadhyaya Kaviraj Gananatha Sen.
2. Kaviraj Uma Charana Bhattacharya.
3. Kaviraj Dharmadasa. Professor P. K. Dutt.
Professor M. B. Rane, (*Convener*).

PHYSICS (5)

1. Kaviraj Uma Charana Bhattacharya.
2. Kaviraj Dharmadasa.
3. Professor M. B. Rane.
4. Professor P. K. Dutt, (*Convener*).

BIOLOGY (5)

1. Mahamahopadhyaya Kaviraj Gananatha Sen.
2. Kaviraj Uma Charana Bhattacharya.
3. Kaviraj Dharmadasa.
4. Professor P. K. Dutt, (*Convener*).

ENGLISH (3)

1. Principal A. B. Dhruva.
2. Professor Phani Bhusan Adhikari.
3. Professor P. Seshadri, (*Convener*).

PASCHATYA DARSANA (5)

1. Principal A. B. Dhruva.
2. Professor P. B. Adhikari, (*Convener*).

GANITA (3)

1. Pandit Ramayatra Ojha. | 2. Pandit Muralidhara Jha.
3. Professor Syamacharan De, (*Convener*).

(Appointed on 2nd December, 1922).

ITIHASA, ARTHASASTRA AND NITISASTRA (5)

- | | |
|-----------------------------|----------------------------|
| 1. Professor P. K. Telang. | 4. Principal A. B. Dhruva, |
| 2. Mr. K. P. Jayaswal. | (Convener). |
| 3. Pandit Gopinath Kaviraj. | |

(D) BOARDS OF STUDIES IN THE FACULTY OF THEOLOGY.

(Appointed on 7th November, 1922).

KARMA KANDA (5)

- | | |
|----------------------------|-----------------------------|
| 1. Pandit Prabhudatta Sas- | 4. Pandit Radha Prasad Sas- |
| tri. | tri. |
| 2. Pandit Ambadasa Sastri. | 5. Pandit Chinnaswami Sas- |
| 3. Mahamahopadhyaya | tri, (Convener). |
| Pandit Annadacharana | |
| Tarkachudamani. | |

VEDA SRAUTA (5)

- | | |
|---|----------------------------|
| 1. Pandit Vidyadhara Gouda | 3. Pandit Viresvara Sastri |
| 2. Pandit Radha Prasad | Dravida. |
| Sastri. | 4. Pandit Ambadasa Sastri, |
| 5. Pandit Prabhudatta Sastri, (Convener). | |

PURANA AND ITIHASA (5)

- | | |
|----------------------|----------------------------|
| 1. Mahamahopadhyaya | 3. Pandit Ambadasa Sastri. |
| Pandit Hara Narayana | 4. Pandit Giridhara Sarma |
| Sastri. | Chaturvedi. |
| 2. Mahamahopadhyaya | 5. Pandit Radha Prasada |
| Pandit Annadacharana | Sastri, (Convener), |
| Tarkachudamani. | |

DHARMASASTRA AND AGAMA (5)

- | | |
|------------------------|----------------------------|
| 1. Mahamahopadhyaya | 2. Pandit Prabhudatta Sas- |
| Pandit Jayadeva Misra. | tri. |

- | | |
|--|--|
| 3. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 4. Mahamahopadhyaya Pan-
dit Annadacharana
Tarkachudamani. |
| 5. Pandit Radha Prasada Sastri, (<i>Convener</i>). | |

PURVA MIMAMSA (5)

- | | |
|---|---|
| 1. Mahamahopadhyaya Pan-
dit Pramathanatha
Tarkabhusana. | 3. Pandit Viresvara Sastri
Dravida. |
| 2. Mahamahopadhyaya Pan-
dit Annada Charana
Tarkachudamani. | 4. Pandit Radha Prasada
Sastri. |
| | 5. Pandit Chinnaswami Sas-
tri, (<i>Convener</i>). |

VEDANTA (5)

- | | |
|--|--|
| 1. Mahamahopadhyaya Pan-
dit Jayadeva Misra. | 3. Pandit Ambadasa Sastri. |
| 2. Mahamahopadhyaya Pan-
dit Pramathanatha
Tarkabhusana. | 4. Pandit Achyutananda Tri-
pathi. |
| | 5. Principal A. B. Dhruva.
(<i>Convener</i>). |

NYAYA VAISESIKA (5)

- | | |
|--|--|
| 1. Principal A. B. Dhruva. | 4. Mahamahopadhyaya Pan-
dit Yadavesvara Tar-
karatna. |
| 2. Mahamahopadhyaya Pan-
dit Jayadeva Misra. | |
| 3. Mahamahopadhyaya Pan-
dit Pramathanatha
Tarkabhusana. | 5. Pandit Ambadasa Sastri,
(<i>Convener</i>). |

SANKHYA YOGA (5)

- | | |
|---|--|
| 1. Principal A. B. Dhruva. | 5. Mahamahopadhyaya Pan-
dit Annadacharana
Tarkachudamani,
(<i>Convener</i>). |
| 2. Mahamahopadhyaya Pan-
dit Jayadeva Misra. | |
| 3. Pandit Ambadasa Sastri. | |
| 4. Pandit Anantarama Sastri. | |

JYAUTISA (5)

- | | |
|---|---|
| 1. Mahamahopadhyaya
Pandit Durga Prasad
Dhive'li. | 2. Pandit Prabhudatta Sastri. |
| | 3. Pandit Ramayatra Ojha,
(<i>Convener</i>). |

(E) BOARD OF STUDIES APPOINTED BY THE FACULTY OF LAW,

(Appointed on 7th November, 1922).

- | | |
|--|--|
| 1. Pandit Madan Mohan Malaviya. | 3. Rai Bahadur Pandit Baldev Ram Dave. |
| 2. Professor Bertram Keightley. | 4. Dr. Kailash Nath Katju. |
| 5. Munshi Mahadev Prasad, (<i>Convener</i>). | |

THE BOARDS OF EXAMINERS.

(ARTS AND SCIENCE).

1. ENGLISH.*

Dr. G. N. Chakravarti.	Professor P. Seshadri,
Professor Bertram Keightley.	(<i>Convener</i>).

2. PHILOSOPHY.*

Principal A. B. Dhruva.	Professor P. B. Adhikari,
Professor Bertram Keightley.	(<i>Convener</i>).

3. HISTORY.*

Pandit Iqbal Narain Gurtu.	Professor H. L. Chablani.
Professor P. K. Telang, (<i>Convener</i>).	

4. ECONOMICS.*

Pandit Madan Mohan Malaviya.	Professor Gurmukh N. Singh.
Professor H. L. Chablani (<i>Convener</i>).	

5. MATHEMATICS.*

Professor Syama Charan De.	Professor Lakshmi Narayan.
Dr. Ganesh Prasad (<i>Convener</i>).	

*Constituted on 5th January, 1922.

6. SAMSKRIT AND PALI.*

Professor P. K. Telang. | Prof. NilkamaI Bhattacharya.
Principal A. B. Dhruva (*Convener*).

7. ARABIC AND PERSIAN. †

Professor Syam Narayan Lal. | Moulvi Mohammad Hasan.
Pandit Iqbal Narayan Gurtu (*Convener*).

8. MODERN EUROPEAN LANGUAGES. ‡

Professor R. L. Turner. | Professor R. S. Inamdar.
Dr. Ganesh Prasad (*Convener*).

9. HINDI.*

Pandit Chandra Mauli Sukul. | Pandit Kashi Rama.
Professor Syam Sundar Das (*Convener*).

10. URDU.*

Pandit Iqbal Narayan Gurtu. | Dr. S. S. Bhatnagar.
Professor Syam Narayan Lal (*Convener*).

11. PARBATHA.

Pandit Ambika Prasad Upa- | Mr. Marichiman Singh.
dhyaya. |
Professor P. B. Adhikari (*Convener*).

12. BENGALI. †

Professor Nil Kamal Bhatta- | Professor Syama Charan
charya. | De.
Professor P. B. Adhikari (*Convener*).

13. ASSAMESE. ‡

Professor P. K. Dutt. | Professor H. N. Dutta.
Professor P. B. Adhikari (*Convener*).

* Constituted on 5th January, 1922.

† Constituted on 12th December, 1922.

‡ Constituted on 29th September, 1921.

‡. Constituted on 24th November, 1922.

14. MARATHI AND GUJRATI.*

Principal A. B. Dhruva. | Professor P. K. Telang.
 Professor M. B. Rane (*Convener*).

15. TAMIL AND TELUGU.*

Pandit A. Chinnaswami | Dr. C. V. Raman.
 Sastri.
 Professor P. Seshadri (*Convener*).

16. CANARESE AND MALAYALAM.†

Professor R. S. Inamdar. | The Registrar.
 Professor P. Seshadri (*Convener*).

17. TEACHING.*

Dr. G. N. Chakravarti. | Professor P. K. Telang.
 Pandit Chandra Mauli Sukul (*Convener*).

18. DRAWING.*

Professor L. D. Counselant | Professor N. K. Tiwari.
 Principal Charles A. King (*Convener*).

19. MANUAL TRAINING.‡

Principal Charles A. King. | Professor Bhim Chandra
 Chatterji.
 Professor N. K. Tiwari (*Convener*).

20. COMMERCE. †

Pandit Madan Mohan Mala- | Professor Gurmukh N.
 viya. Singh.
 Professor H. L. Chablani (*Convener*).

21. PHYSICS.*

Dr. C. V. Raman. | Professor K. R. Gunjekar.
 Professor P. K. Dutt (*Convener*).

* Constituted on 12th December, 1922.

† Constituted on 14th August, 1922.

‡ Constituted on 5th January, 1922.

22. CHEMISTRY

Dr. Sir P. C. Roy. | Dr. S. S. Bhatnagar.
Professor M. B. Rane (*Convener*).

23. BOTANY

Dr. Birbal Sahni. | Professor N. K. Tiwari.
Professor R. S. Inamdar (*Convener*).

24. ZOOLOGY.

Professor H. C. Ahuja. | Dr. Karam Narayan Bahl.
Professor S. C. Varma (*Convener*).

25. ENGINEERING.

Professor L. D. Couselant. | Professor Bhim Chandra
Chatterji.
Principal Charles A. King, (*Convener*).

26. INDUSTRIAL CHEMISTRY.†

Principal Charles A. King. | Professor N. P. Gandhi.
Professor N. N. Godbole, (*Convener*).

27. GEOLOGY.**

Principal C. A. King. | Professor K. K. Mathur.
Professor N. P. Gandhi, (*Convener*).

(FACULTY OF ORIENTAL LEARNING.)

I. PRAVESIKA (ALL SUBJECTS).‡

Principal A. B. Dhruva. | Pandit Anubadasa Sastri.
Professor P. B. Adhikari, (*Convener*).

* Constituted on 12th December, 1922.

† Constituted on 9th November, 1922.

** Constituted on 9th September, 1921.

‡ Constituted on 24th July, 1922.

§ Appointed member on 28th October, 1922, in place of Pandit Chandra Dhara Sarma Guleri, *deceased*.

Appointed Convener on 28th October 1922, in place of Pandit Chandra Dhara Sarma Guleri, *deceased*. Mr. Adhikari was appointed member of the old Board in place of Pandit Ramavatara Sarma, M. A., on 5th January, 1922.

(2) VEDA-SRAUTA.*

Pandit Prabhudatta Sastri. | Pandit Chinnaswami Sastri.
 Pandit Ambadasa Sastri, (*Convener*).

(3) DHARMA SASTRA-AGAMA.*

Pandit R a d h a P r a s a d Mahamahopadhyaya Pandit
 Sastri. Pramathanatha Tarka-
 bhusana.

Mahamahopadhyaya Pandit Annadacharana Tarkachuda-
 mani, (*Convener*).

(4) PURVA-MIMAMSA.*

Mahamahopadhyaya Pandit Chinnaswami Sastri.
 Pandit Pramathanatha Pandit Ambadasa Sastri,
 Tarkabhusana. (*Convener*).

(5) VEDANTA.*

Mahamahopadhyaya Sastri | Principal A. B. Dhruva.
 Hathibhai Harisankara. |
 Pandit Ambadasa Sastri, (*Convener*).

(6) SANKHYA YOGA.*

Mahamahopadhyaya Mahamahopadhyaya
 Pandit Jayadeva Misra. Pandit Pramathanatha
 Tarkabhusana.
 Mahamahopadhyaya Pandit Annadacharana Tarkachudamani,
 (*Convener*).

(7) NYAYA-VAISESIKA.*

Pandit Ambadasa Sastri. | Professor P. B. Adhikari.
 Principal A. B. Dhruva, (*Convener*).

(8) VYAKARANA.*

Mahamahopadhyaya | Mahamahopadhyaya
 Pandit Jayadeva Misra. | Pandit Annadacharana
 Tarkachudamani.
 Principal A. B. Dhruva, (*Convener*).

* Constituted on 9th September, 1921.

(9) JYAUTISA AND MATHEMATICS.*

Pandit Muralidhara Jha. Professor Syama Charan De.
 Pandit Ramayatna Ojha, (*Convener*).

(10) SAHITYA.*

Mahamahopadhyaya Pandit Chandradhara Sarma.
 Pandit Annadacharana
 Tarkachudamani.

Principal A. B. Dhruva, (*Convener*).

(11) VAIDYAKA.*

Mahamahopadhyaya Pandit Arjuna Misra.
 Kaviraj Gananatha Sen. |
 Kaviraj Umacharana Bhattacharya, (*Convener*).

(12) JAINA DARSANA.†

Pandit Ambadasa Sastri. Babu Govinda Dasa.
 Principal A. B. Dhruva (*Convener*).

(13) ARTHA-SASTRA.†

Professor P. K. Telang. | Mr. K. P. Jayaswal.
 Principal A. B. Dhruva, (*Convener*).

(FACULTY OF THEOLOGY.)

(1) PRAVESIKA (ALL SUBJECTS).

(*Same as for the Faculty of Oriental Learning.*)

(2) KARMAKANDA AND VEDANGA.*

Mahamahopadhyaya Pandit Pandit Chinnaswami Sastri,
 Jayadeva Misra.
 Pandit Prabhudatta Sastri, (*Convener*).

* Constituted on 9th September, 1921.

† Constituted on 28th October, 1922.

(3) ITIHASA, PURANA AND DHARMASASTRA.*

Professor P. K. Telang. | Kaviraj Umacharana
Bhattacharya.

Pandit Radha Prasad Sastri, (*Convener*).

(4) DARSANA SASTRAS.*

Mahamahopadhyaya Pandit | Pandit Chinnaswami Sastri.
Annadacharana Tarka- | Pandit Ambadasa Sastri,
chudamani. | (*Convener*).

THE BOARD OF APPOINTMENTS.

[STATUTE 27, SUB-SECTION 1.]

Ex-Officio members.

(i) The Vice-Chancellor. | (ii) The Pro-Vice-Chancellor.

Elected members.

- | | |
|--|---|
| (iii) (a) Rai Bahadur Pandit Baldev
Ram Dave. | { Elected by the
Court on 14th
December, 1921. |
| (b) Mr. Kashi Prasad Jayaswal. | |
| (iv) (a) Babu Govinda Das. | { Elected by the
Council on 16th
July, 1921. |
| (b) Dr. Ganesh Prasad. | |
| (v) (a) Principal A. B. Dhruva. | { Elected by the
Senate on 7th
January, 1922. |
| (b) Professor P. K. Telang. | |
| (vi) (a) Dr. Gyanendra Nath Chakravarti | { Elected by the
Syndicate on 30th
January, 1921. |
| (b) Principal Charles A. King. | |
| | { Elected by the
Syndicate on 5th
January, 1922 |

* Constituted on 9th September, 1922.

THE CENTRAL HINDU SCHOOL BOARD.

[STATUTE 76.]

Chairman:

Pandit M. M. Malaviya.

Members:

(A) MEMBERS NOMINATED BY THE FACULTIES.

Pandit Prabhudatta Sastri.*	Professor Syama Charan De*
Pandit Ranayatna Ojha.‡	Pandit Baldev Ram Dave.§
Professor P. K. Telang.††	

(B) MEMBERS NOMINATED BY THE COUNCIL.

Principal A. B. Dhruva.‡	Babu Guru Prasad Dhavan.‡
Pandit Chandra Mauli Sukul.‡	Babu Chintamani Mukerji.‡
Babu Jnanendra Nath Basu.‡	

THE STUDENTS' RESIDENCE COMMITTEE..

[REGULATION I, CHAPTER XII.]

Constituted by the Syndicate on the 24th November, 1922.(a) The Pro-Vice-Chancellor, *Ex-officio*.

- (b) (1) Pandit Prabhudatta Sastri. } Nominated by the Faculty
 (2) Pandit A. Chinnaswami Sastri. } of Theology on the 27th
 } October, 1922.
- (c) (1) Dr. S. S. Bhatnagar, } Nominated by the Syndicate
 D. Sc.. } on the 28th October, 1922.
 (2) Professor P. B. Adhikari }
 M.A., }

* Nominated by the Faculty of Theology on 28th October, 1920.

‡ Nominated by the Faculty of Oriental Learning on 28th October 1920.

†† Nominated by the Faculty of Arts on 27th October, 1920.

** Nominated by the Faculty of Science on 27th October, 1920.

§ Nominated by the Faculty of Law on 28th October, 1920.

‡ Nominated by the Council on 26th February, 1921.

† Nominated by the Council on 27th April, 1922, in place of Pandit Ram Narayan Misra, B.A., who was nominated on 26th February, 1921.

- (d) (1) Babu Guru Prasad Dhavan, B.A. } Nominated by the Council
 (2) Professor P. K. Telang, M. A., LL.B. } on the 18th November, 1922.
- (e) (1) Mr. Parmatma Saran, B.A. } Elected by the Students of
 (2) Mr. Braj Mohan Dabral, B.Sc. } the University on the 8th November, 1922.
- (f) Rai Bahadur Dr. Munnalal, Chief Medical Officer, *Ex-officio*.
- (g) (1) Principal Charles A. King, (12-1-22). } Wardens of the Hostels, *Ex-officio*.
 (2) Professor Syama Charan De, (28-4-23). }

Secretary:

Babu Guru Prasad Dhavan, B.A.

THE LIBRARY COMMITTEE.

[REGULATION I, CHAPTER VIII].

Ex-Officio Members:

The Vice-Chancellor.	The Registrar.
The Pro-Vice-Chancellor.	The Librarian.

Elected Members:

Elected on 17th September, 1921.

- | | |
|-------------------------------|------------------------------|
| 1. Professor P. K. Telang. | 4. Professor H. L. Chablani. |
| 2. Babu Govinda Das. | 5. Professor K. R. Gunji- |
| 3. Principal Charles A. King. | kar. |
| | 6. Professor N. P. Gandhi. |

Elected on 28th October, 1921.

7. Professor Krishna Kumar Mathur.*

Elected on 26th January, 1923.

- | | |
|------------------------------|----------------------------------|
| 8. Dr. Ganesh Prasad. | 13. Professor R. S. Inamdar. |
| 9. Professor P. B. Adhikari. | 14. Professor Shyam Sundar Das. |
| 10. Professor P. Seshadri. | 15. Professor L. D. Coueslant. |
| 11. Professor P. K. Dutt. | 16. Pandit Chandra Mauli Sukul.† |
| 12. Professor M. B. Rane. | |

THE FINANCE COMMITTEE.

(Constituted by the Council on 25th February, 1920).

- | | |
|--|---------------------------------|
| 1. The Vice-Chancellor. | 7. Dr. Ganesh Prasad. |
| 2. The Pro-Vice-Chancellor. | 8. Babu Guru Prasad Dhavan. |
| 3. The Hon'ble Raja Moti Chand, C.I.E. | 9. Babu Jnanendra Nath Basu. |
| 4. Sir Ganga Ram Kt. | 10. Professor Syama Charan De.‡ |
| 5. Rai Bahadur Pandit Baldev Ram Dave. | |
| 6. Rai Krishnaji. | |

Convener: Babu Guru Prasad Dhavan.

THE BUILDING COMMITTEE.

(Constituted by the Council on 25th February, 1920).

- | | |
|-----------------------------|--|
| 1. The Vice-Chancellor. | 5. Rai Bahadur Pandit Baldev Ram Dave. |
| 2. The Pro-Vice-Chancellor. | |
| 3. Sir Ganga Ram, Kt. | 6. Babu Guru Prasad Dhavan. |
| 4. The Hon'ble Raja Moti | |

*Elected for the residue of the term of Professor S. S. Setlur who was elected on 17th September, 1921.

†Pandit Chandra Mauli Sukul was elected for the residue of the term of Professor R. L. Turner, who was elected on 17th September, 1921.

‡Added on 23rd May, 1922.

- | | |
|---------------------------|----------------------------|
| Chand. | 10. Rai Bahadur Pandit Ma- |
| 7. Rai Jwala Prasad. | tadin Sukul.* |
| 8. Babu Upendra Nath Ba- | 11. Rai Bahadur Pandit |
| su. | Shyam Nath Hukku.* |
| 9. Rai Bahadur Kumar Par- | 12. Rai Krishna Chandra |
| manand. | Banerji, Bahadur.* |
- Secretary:* Executive Engineer in Charge.

THE COLLECTION COMMITTEE.

(Constituted by the Council on 25th February, 1920).

- | | |
|---------------------------|------------------------------|
| 1. Pandit Madan Mohan | 8. Pandit Gokaran Nath |
| Malaviya, Vice-Chan- | Misra. |
| cellor. | 9. Babu Braj Nath. |
| 2. Dr. G. N. Chakravarti. | 10. Pandit Sitaram. |
| 3. Babu Jwala Prasad. | 11. Rai Bahadur Pandit Bal- |
| 4. Rai Purnendu Narayan | dev Ram Dave. |
| Sinha Bahadur. | 12. Rai Bahadur Sultan Singh |
| 5. Pandit Parmeshwar Nath | 13. Rai Bahadur Damodar |
| Sapru. | Das. |
| 6. Babu Guru Prasad Dha- | 14. Seth Narottam Morarji |
| van. | Gokul Das. |
| 7. Mr. Sachchidananda | 15. Babu Jnanendra Nath |
| Sinha. | Basu. |

Secretary:

Babu Jnanendra Nath Basu.

THE UNIVERSITY ESTATES COMMITTEE.

Appointed by the Council on the 9th November, 1921.

- | | |
|-----------------------------|--------------------------|
| 1. The Pro-Vice-Chancellor. | 5. Babu Jnanendra Nath |
| 2. Raja Motichand. | Basu. |
| 3. Rai Purnendu Narayan | 6. Babu Guru Prasad Dha- |
| Sinha. | van. |
| 4. R. B. Pandit Baldev Ram | 7. Babu Jwala Prasad. |
| Dave. | |

Added on 14th June, 1922.

Chairman:

The Hon'ble Raja Motichand.

Secretary:

Babu Guru Prasad Dhavan.

THE RELIGIOUS INSTRUCTION COMMITTEE.

Appointed by the Faculty of Theology on 31st August, 1919.

- | | |
|---------------------------------|--------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. M. M. Pandit Durg Prasad Dwivedi. |
| 2. Principal A. B. Dhruva.* | 5. M. M. Hathibhai Sastri. |
| 3. Pandit Prabhudatta Sastri. | 6. Pandit Giridhara Sarma. |
| | 7. Pandit P. N. Patankar.* |

Convener: Pandit Madan Mohan Malaviya.

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS OF GRADUATES AND UNDER-GRADUATES OF OTHER UNIVERSITIES FOR ADMISSION TO THIS UNIVERSITY AND REPORT ON THEM TO THE SYNDICATE.

Constituted by the Syndicate on the 30th July, 1918.

- | | |
|---|---|
| 1. The Principal, Central Hindu College. | 3. The Principal, College of Oriental Learning. |
| 2. The Principal, Teachers' Training College. | 4. The Principal, College of Theology. |
| 5. The Registrar, (<i>Convener</i>). | |

N. B.—In the case of the applications of Graduates the head of the department concerned shall also be a Member.

*Appointed on 16th March, 1922 in places of Pandit Panchanan Tarkaratna and Mahamahopadhyaya Pandit Lakshmana Sastri Dravida, resigned.

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS
OF GRADUATES AND UNDER-GRADUATES FOR UNI-
VERSITY SCHOLARSHIPS OF MERIT.

Constituted by the Syndicate on 25th July, 1919.

- | | |
|-----------------------------|-----------------------------|
| 1. The Pro-Vice-Chancellor. | 5. The Principal, College |
| 2. Dr. G. N. Chakravarti. | of Oriental Learning. |
| 3. The Principal, Central | 6. The Principal, College |
| Hindu College. | of Theology. |
| 4. The Principal, Teachers' | 7. The Principal, Engineer- |
| Training College. | ing College. |

Convener: The Pro-Vice-Chancellor.

N. B.—In the case of the applications of graduates the heads of the departments of the Central Hindu College also to be members.

THE COMMITTEE APPOINTED TO RECOMMEND THE AWARD
OF BIRLA SCHOLARSHIPS. *

Constituted by the Syndicate on the 14th August, 1922.

- | | |
|-------------------------------|---------------------------|
| 1. The Pro-Vice-Chancellor. | 4. Professor M. B. Rane. |
| 2. Principal Charles A. King. | 5. Professor P. Seshadri. |
| 3. Professor P. K. Telang. | 6. The Registrar. |

Chairman:—The Pro-Vice-Chancellor.

Convener:—The Registrar.

THE COMMITTEE APPOINTED TO MAKE RECOMMENDATIONS
REGARDING THE AWARD OF SCHOLARSHIPS TO THE STUDENTS
OF THE COLLEGES OF ORIENTAL LEARNING, AND THEOLOGY
AND THE RANAVIRA SAMSKRIT PATHSALA. †

Constituted by the Syndicate on the 18th August, 1921.

1. The Principal, College of Oriental Learning.

* The same Committee was appointed to make recommendations for the award of the Parbatibai Jain Scholarships, the Ratanchand Dalpatram Shah Scholarships, the Gomti Vahu Scholarships, and the Rai Chandi Prasad Scholarships also. (Vide Syndicate resolutions dated 14th August, 1922, 9th November, 1922 and 12th December, 1922.)

† The same Committee was appointed to make recommendations for the award of Richard Burn Scholarships also. (Vide Syndicate minutes dated 12th December, 1922.)

2. The Principal, College of Theology.
3. The Adhyaksha, Ranavira Samskrit Pathsala
4. Pandit Ambadasa Sastri.
5. Professor P. K. Telang, M. A., L. L. B.
6. Professor P. Seshadri, M. A.
7. Professor P. B. Adhikari, M. A., *Convener*.*

THE COMMITTEE APPOINTED TO BRING OUT THE RESULTS
OF THE UNIVERSITY EXAMINATIONS OF 1923.

Constituted by the Syndicate on the 28th October, 1922.

- | | |
|-----------------------------|-------------------------------|
| 1. The Vice-Chancellor. | 6. Professor P. B. Adhikari. |
| 2. The Pro-Vice-Chancellor. | 7. Professor P. Seshadri. |
| 3. Dr. Ganesh Prasad. | 8. Principal Charles A. King. |
| 4. Professor P. K. Telang. | 9. Prof. Syama Charan De. |
| 5. Professor P. K. Dutt. | (<i>Convener</i>). |

THE ACADEMIC ROBES COMMITTEE.

Constituted by the Senate on the 28th November, 1921.

- | | |
|--|----------------------------|
| 1. Pandit Madan Mohan Malaviya. | 5. Professor P. K. Telang. |
| 2. Principal A. B. Dhruva. | 6. Dr. S. S. Bhatnagar. |
| 3. Pandit Prabhu Datta Sastri. | 7. Professor P. Seshadri. |
| 4. Dr. Ganesh Prasad. | 8. The Registrar. |
| <i>Convener</i> : Professor P. Seshadri. | |

THE REFORMS COMMITTEE.

Constituted by the Senate on the 27th March, 1920.

- | | |
|----------------------------|---------------------------|
| 1. The Vice-Chancellor. | 3. Dr. Sir P. C. Roy. |
| 2. Principal A. B. Dhruva. | 4. Sir C. F. de la Fosse. |

* Appointed Member and Convener of the Committee on 28th October, 1922, in place of the late Pandit Chandradhar Sarma Guleri who was appointed on 12th April, 1922 in place of Pandit Ramavatara Sarma.

- | | |
|-------------------------------|-------------------------------|
| 5. Babu Govinda Das. | 18. Prof. Lakshmi Narayan. |
| 6. Dr. G. N. Chakravarti. | 19. Professor P. B. Adhikari. |
| 7. Dr. Ganesh Prasad. | 20. Professor H. L. Chablani. |
| 8. Principal Charles A. King. | 21. Prof. Haru Ram Mehra. |
| 9. Sant Teja Singh. | 22. Professor N. P. Gandhi. |
| 10. Dr. C. V. Raman. | 23. Prof. L. D. Couselant.* |
| 11. Professor H. R. Batheja. | 24. Prof. K. R. Gunjekar.‡ |
| 12. Prof. Bertram Knightley. | 25. Professor R. S. Inamdar.‡ |
| 13. Pt. Ramavatara Sarma. | 26. Prof. S. S. Bhatnagar.* |
| 14. Professor P. K. Telang. | 27. Prof. K. K. Mathur.* |
| 15. Professor P. Seshadri. | 28. Prof. Gurmukh N. Singh.* |
| 16. Professor M. B. Rane. | 29. The Registrar. |
| 17. Professor P. K. Dutt. | |

Chairman : The Vice-Chancellor.

Convener and Vice-Chairman : Dr. Ganesh Prasad.

THE ACT AND STATUTES REVISION COMMITTEE.

(Appointed by the Court on the 12th December, 1920).

- | | |
|-------------------------------------|-------------------------------|
| 1. The Vice-Chancellor.† | 8. Babu Jnanendra Nath Basu.† |
| 2. The Pro-Vice-Chancellor.† | 9. Pandit Baldev Ram Dave.‡ |
| 3. Dr. G. N. Chakravarti.† | 10. Babu Ajit Prasad.† |
| 4. Sir Deva Prasad Sarvadhi-kari.** | 11. Babu Iswar Saran.† |
| 5. Dr. Ganesh Prasad.† | 12. Munshi Mahadev Prasad.‡ |
| 6. Pandit Iqbal Narayan Gurtu.† | 13. Professor P. Seshadri.‡ |
| 7. Professor P. K. Telang.‡ | 14. Professor M. B. Rane.‡ |

Convener : The Pro-Vice-Chancellor.

* Added on 24th April, 1922.

‡ Added on 30th October, 1920.

† Appointed by the Court on 12th December, 1920.

‡ Appointed by the Senate on 2nd April, 1921.

** Added by the Court on 30th November, 1922.

OTHER OFFICERS AND REPRESENTATIVES.

ASSISTANT SECRETARY TO THE COUNCIL:

Babu Jnanendranath Basu, B.A.

PERSONAL ASSISTANT TO THE PRO-VICE-CHANCELLOR:

Babu Guru Prasad Dhavan, B.A.

Appointed 8th April 1917.

ASSISTANT REGISTRAR:

Pandit Indradeva Tewari, M.A.

Appointed 20th February 1921

HONORARY CHIEF ENGINEER:

Rai Ganga Ram Bahadur, C.I.E., M.A.O.

Appointed 7th November, 1910.

EXECUTIVE ENGINEER:

Pandit Lakshman Das.

REPRESENTATIVE ON THE COURT OF VISITORS OF THE
INDIAN INSTITUTE OF SCIENCE, BANGALORE.

Sir P. S. Siwaswamy Aiyer, B.A., B.L. KL.

*Elected 30th March, 1919.*REPRESENTATIVE ON THE BOARD OF HIGH SCHOOL AND
INTERMEDIATE EDUCATION, UNITED PROVINCES:

Principal A. B., Dhruva M.A., LL.B.

Elected 18th March, 1922.

Constituted under Intermediate Education Act No. 11 of 1921.

[1923—24.]

LORD RECTOR :

Ex-officio—(Section 5.)

His Excellency the Viceroy and Governor-General of India.

VISITOR :

Ex-officio—(Section 6).

His Excellency the Governor of the United Provinces of
Agra and Oudh.

PATRONS :

(*Statute 3 Sub-section 1.*)

Clause (i) Ex-officio.

1. H. E. the Governor of Bengal.
2. H. E. the Governor of Madras.
3. H. E. the Governor of Bombay.
4. H. E. the Governor of Bihar and Orissa.
5. H. E. the Governor of the Punjab.
6. H. E. the Governor of Burma.
7. H. E. the Governor of Assam.
8. H. E. the Governor of the Central Provinces.
9. H. E. the Governor of the North-West Frontier Provinces.

10. The Chief Commissioner of British Baluchistan.
11. The Chief Commissioner of Delhi.
12. The Chief Commissioner of Ajmer-Merwara.
13. The Chief Commissioner of Coorg.
14. The Chief Commissioner of Andaman and Nicobar Islands.

Clause (ii) :—

1. *His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.
2. *His Highness Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I., Maharaja of Mysore.
3. *His Highness Maharaja Sir Pratap Singh Bahadur, G.C.S.I., G.C.I.E., Maharaja of Jammu and Kashmir.

Central India.

4. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G. C. S. I., G. C. V. O., L. L. D., Maharaja of Gwalior.
5. *His Highness Maharajadhiraj Raj Rajeshwar Sawai Shri Tukoji Rao Bala Sahib Holkar, Maharaja of Indore.
6. *His Highness Maharaja Lokendra Govind Singh Bahadur, Maharaja of Datia.

Rajputana.

7. *His Highness Maharajadhiraj Maharana Datch Singhji Bahadur, G.C.S.I., G.C.I.E., Maharana of Udaipur.

*Appointed by His Excellency the Lord Rector. Vide letter No. 518, (Government of India-Education), dated the 15th May, 1916.

8. *His Highness Raj-Rajeshwar Narendra-Shiromani Shri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikanir.
9. *His Highness Maharao Sir Umed Singh Bahadur, G.C.S.I., G.C.I.E., Maharao of Kotāh.
10. *His Highness Maharajadhiraj Sir Madan Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Kishengarh.
11. His Highness Sawai Maharaja Sir Jai Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Alwar.
12. *His Highness Maharaj-Rana Sir Bhawani Singh Bahadur, K.C.S.I., Maharaj-Rana of Jhalawar.

Punjab.

13. †His Highness Farzand-i-Khas Daulat-i-Inglishia, Mansur-ul-Zaman, Amir-ul-Umra Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
14. *His Highness Maharaja Ripudaman Singh Malavendra Bahadur, F.R.G.S., M.R.A.S., Maharaja of Nabha.
15. *His Highness Maharaja Sir Jagatjit Singh Bahadur, G.C.S.I., of Kapurthala.

United Provinces.

16. *His Highness Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., Maharaja of Benares.

*Appointed by His Excellency the Lord Rector, Vide Letter No. 518 (Government of India—Education), dated the 25th May, 1916.

†Appointed by His Excellency the Lord Rector, Vide Letter No. 976 (Government of India—Education), dated the 28th November, 1918.

VICE-PATRON :

(Statute 3, Sub-section 2).

The Hon'ble Maharajadhiraj Sir Rameshwar Singh
Bahadur, G.C.I.E., of Darbhanga.

CHANCELLOR :

(Statute 4.)

His Highness Maharaja Sir Sayaji Rao Gaekwar Baha-
dur, G.C.S.I., G.C.I.E., Maharaja of Baroda.

Elected 30th November, 1922.

PRO-CHANCELLOR :

(Statute 6).

His Highness Raj-Rajeshwar Narendra-Shiromani Shri
Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I.,
G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja
of Bikaner.

Elected 16th December, 1923.

VICE-CHANCELLOR :

(Statute 8).

Pandit Madan Mohan Malaviya, B.A., LL.B.

Elected 30th November, 1922.

PRO-VICE-CHANCELLOR :

(Statute 10).

Principal A. B. Dhruva, M.A., LL.B.

Elected 30th November, 1922.

REGISTRAR :

Professor Syama Charan De, M.A.

Appointed 26th February, 1921.

TREASURER :

(Statute 13).

The Hon'ble Raja Moti Chand, C.I.E., Azmatgarh
Palace, Benares.

Appointed 16th December, 1923

AUDITORS :

Messrs. Batliboy & Co, Calcutta.

Appointed 20th January, 1924.

THE COURT.

(Statute 1, Sub-section 1).

Class I Ex-officio Members.

1. *Chancellor*—His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.
2. *Pro-Chancellor*: His Highness Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner.
3. *Vice-Chancellor*:—Pandit Madan Mohan Malaviya, B.A., LL.B., Allahabad.
4. *Pro-Vice-Chancellor*:—Principal A. B. Dhruva, M. A., LL.B., the Benares Hindu University.

Class II—Donors and their representatives.**Clause (a) :—**

1. H. H. Maharaja Sir Pratap Singhji Bahadur, G.C.S.I., G.C.I.E., of Jammu and Kashmir.
2. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G.C.S.I., G.C.V.O., LL.D., of Gwalior.
3. H. H. Maharajadhiraj Raj-Rajeshwar Sawai Shri Tukoji Rao Holkar Bahadur, of Indore.
4. H. H. Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., LL.D., G.C.V.O., G.B.E., K.C.B., of Bikaner.
5. His Highness Raj-Rajendra Maharajadhiraj Sri Man Singhji Bahadur, of Jaipur.
6. H. H. Farzand-i-Khas, Daulat-i-Inglishia, Mansur-ul-zaman, Amir-ul-Umra, Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
7. H. H. Maharaja Sir Umed Singhji Bahadur of Jodhpur.

Clause (b) :—

1. H. H. Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I. of Baroda.
2. H. H. Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I. of Mysore.
3. H. H. Maharajadhiraj Maharana Sir Fateh Singhji Bahadur, G.C.S.I., G.C.I.E., of Udaipur.
4. H. H. Maharao Sir Umed Singhji Bahadur, G.C.S.I. G.C.I.E., of Kotah.
5. H. H. Maharaja Sawai Sir Jey Singhji Bahadur, K.C.S.I., K.C.I.E., of Alwar.

6. H. H. Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., G.C.S.I., of Benares.
7. H. H. Maharajadhiraj Ripudaman Singh Malavendra Bahadur, F.R.G.S., M.R.A.S., of Nabha.
8. The Hon'ble Maharajadhiraj Sir Rameshwar Singh Bahadur, G.C.I.E., of Darbhanga.
9. Maharaja Sir Manindra Chandra Nandy Bahadur, K.C.I.E., of Kossimbazar.
10. Raja Baldeodasji Birla, Lalghat, Benares.
11. The Hon'ble Raja Motichand, C.I.E., Azmatgarh Palace Benares.
12. Babu Brajendra Kishore Roy Chaudhury, Zamindar of Gauripur, District Mymensing.
13. Raja Suraj Bakshi Singh, Talukdar, Kasmanda, Sitapur.
14. Mahant Satish Chandra Giri, Mahant of Tarkeswar.
15. Babu Jugal Kishore Birla of the Firm of Messrs. Baldeo Das Jugal Kishore, 18, Mullick Street, Calcutta.
16. Seth Ghanashyam Das Birla, 137, Canning Street, Calcutta.
17. Messrs. Baldeodas Hazarimal Dudhwale, Chorbagan, Calcutta.
18. Rai Sahib Sangidas Jesiram, New Marine Lines, Bombay.
19. Rai Ramnarayan Harnandrai Bahadur, Mont Pleasant, Bombay.
20. Raja Suryapal Singh M.L.C., of Awagarh.
21. Seth Mulraj Khatau, 42, Ballard Road, Fort, Bombay.
22. Seth Mathuradas Vussanji Khimji, 3, Wallace Street, Bombay.

23. Sriyut Devshankar Dayashankar Dave, Moosa Buildings,
Bombay.

Clause (c) :—

1. H. H. Maharaja Rana Sir Bhawani Singhji Bahadur,
K.C.S.I., of Jhalawar.
2. H. H. Maharaja Sir Jagat Jit Singhji Bahadur, G.C.S.I.,
of Kapurthala.
3. H. H. the Maharaj Rana Sir Udaibhan Singhji, K.C.S.I.,
of Dholpur.
4. H. H. Maharaja Sir Madan Singhji Bahadur, K.C.S.I.,
K.C.I.E., of Kishengarh.
5. His Highness Maharawal Shri Lakshman Singhji, of
Dungarpur.
6. Her Highness the Maharani Saheba of Bikaner.
7. The Maharaj Kumar Saheb of Bikaner.
8. Rani Surat Kumari K.I.H., of Khairigarh.
9. The Hon'ble Raja Sir Rampal Singh, K. C. I. E., of
Kurri Sudauli, Dist. Raibareilly.
10. Raja Ram Gopal Singh Bahadur of Manda, District
Allahabad.
11. Raja Kirtyanand Sinha, B. A., Deorhi Champnagar,
Dist. Purnea,
12. Raja Harihar Prasad Narayan Singh of Amawan, Patna.
13. Raja Kristo Das Law, 2, Cornwallis Street, Calcutta.
14. Raja Rishee Kesh Law, C.I.E., 96, Amherst Street,
Calcutta.
15. Sir Sukhdeo Prasad, Kt., C. I. E., Minister, Jodhpur
State,

16. Sir Prabha Shankar Dalpatram Pattani, K. C. I. E.,
Bhavanagar.
17. Sir Gangaram, Rai Bahadur, Kt., C. I. E., M. V. O.,
Ganganivas, Lahore.
18. Babu Ganga Bakhsh Singh, Taluqdar of Tikari, Shahmau,
Rai Bareilly.
19. Rai Sahib Bhateley Shyam Beharilal, Rais, Beraree.
Dist. Etawah.
20. Babu Madho Prasad Sahib, Banker, Rani Mandi,
Allahabad.
21. Babu Man Mohan Das, Banker, Rani Mandi, Allahabad.
22. Seth Raghunath Prasad Poddar of the Firm of Messrs.
Tara Chand Ghanashyam Das, 10, Mullick Street,
Calcutta.
23. Babu Chandi Charan Law, 223, Cornwallis Street,
Calcutta.
24. Babu Ambika Charan Law, 24, Sukia Street, Calcutta.
25. Babu Sourindra Mohan Singh, Zamindar, Bhagalpur.
26. Lala Kunjkishore Tandan Sachchavala, Banker, Etawah.
27. Pandit Someshwar Datta Sukul, B.A., Land-owner and
Banker, Sitapur.
28. Babu Chhedilal Agarwala, 3, Hastings Street, Calcutta.
29. Lala Ramnath Tandan Sachchavala, Banker, Etawah.
30. Babu Bishun Narain. Rais, Fyzabad.
31. Sahu Ram Kumar, Rais, Thakurdwara, Dt. Moradabad.
32. Rai Sahib Chaudhury Raghubir Narain Singh, Rais,
Asora, District Meerut.

33. The Hon. Lala Sukhbir Sinha, Zamindar and Banker, Muzaffarnagar.
34. Seth Narottam Morarjee Gokuldas, Pedder Road, Bombay.
35. Seth Ratansi Dharamsi Morarjee, Girgaon, Bombay.
36. Rai Govind Chand (minor), Rais, Mohalla Phatak Rangil Das, through the Court of Wards, Benares.
37. Akhauri Babu Prem Narain, Rais and Zamindar, Narain Villa, Gaya.
38. Mr. S. Srinivas Aiyanger, Advocate-General, Mylapore, Madras.
39. Seth Baldeo Das Rameshwardas, c/o. Messrs. Sitalprasad Khargprasad, Bankers, 30, Burtolla Street, Calcutta.
40. Seth Hazarimal Sohanlal, c/o. Messrs. Sitalprasad Kharg Prasad, Bankers, 30, Burtolla Street, Calcutta.
41. The Hon'ble Rai Ramsaran Das Bahadur, C.I.E., Rais, Lahore.
42. Babu Jainarain Taparia, Chandi Bazar, Bombay.
43. Babu Vithal Das Thakurdas, Silver Market, Bombay.
44. Babu Hiralal Bakordas, Silver Market, Bombay.
45. Babu Channniram Motilal, Silver Market, Bombay.
46. Babu Moolchand Jeevraj (Kesavalal Moolchand), Silver Market, Bombay.
47. Seth Bacchraj Jamnalal, 183/85, Kalbadevi Road, Bombay.
48. Messrs. Premchand Raichand and Sons, Fort, Bombay.
49. Babu Sriramji Ramnarain, Marwari Bazar, Bombay.

50. Seth Vithal Das Liladhar, Chartered Buildings, Bombay.
51. Babu Bankeylal, Marwaribazar, Bombay.
52. Babu Moongalal, Marwaribazar, Bombay.
53. Seth Tulsidas Moorarji, Cloth Market, Bombay.
54. Seth Mathuradas Gokuldas, Cloth Market, Bombay.
55. Seth Mathuradas Naraindas, New Gandevis Road, Bombay.
56. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort Bombay.
57. Srimati Monghi Bai, c/o. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.
58. Srimati Kesar Bai, c/o. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.
59. Babu Pannalal Jivanlal, B. Bhagwantlal and B. Mohanlal, Malabar Hill, Bombay.
60. Seth Pooranchand Karamchand Kotwala, Bombay.
61. Mr. Jaithabhai Goolabchand, Share Market, Bombay.
62. Babu Manmohan Das Nemidas, Share Market, Bombay.
63. Babu Mansukhlal Chaganlal, Share Market, Bombay.
64. Seth Vussanjee Munjee, Malabar Hill, Bombay.
65. Seth Purshottam Ratansi, Share Market, Bombay.
66. Seth Khimji Assur Veerji, Fort, Bombay.
67. Messrs. Chotalal Kothari and Co., Share Market, Fort Bombay.
68. Babu Shiva Narayanji Nemani, Silver Market, Bombay.
69. Babu Rameshwarji Jwala Datta, Silver Market, Bombay.

- 80 THE BENARES HINDU UNIVERSITY 1923—24.
70. Babu Saroop Chand Piithiraj, Silver Market, Bombay.
 71. Seth Amarchand Madhavaji, Calcutta.
 72. Babu Chaju Ram, Calcutta.
 73. B. Ramchandra, c/o. Messrs Tarachand Ghanshyamdas Zakaria Street, Calcutta.
 74. Babu Bharat Indu, Farrukhabad.
 75. Babu Gouri Shankar Goenka, Khurja.
 76. Babu Rameshwar Das Birla, Birla House, Sandhurst Road, Bombay.
 77. Seth Soorajmal Harnandrai, Bombay.
 78. Messrs. Manilal Jugalkdas, Bombay.
 79. Seth Govindlal Motilal, Bombay.
 80. Seth Moolji Haridas, Dungarsey Street, Malabar Hill, Bombay.
 81. Seth Shantidas Asukaran, Fort, Bombay.
 82. Seth Kalachand Devchand, Share market, Bombay.
 83. Seth Anandilal Poddar, Marwari-bazar, Bombay.
 84. Seth Mangaldas Girdhardas Parekh, Ahmedabad.
 85. Babu Brajmohan Lal Birla, Lalghat, Benares.
 86. Seth Karsandas Tricumdas, Chartered Buildings, Fort, Bombay.
 87. Seth Chhabildas Lakshmidas, Napean Sea Road, Bombay.
 88. Seth Ambalal Sarabhai, Ahmedabad.
 89. Seth Chaturbhuj Gobardhandas of Messrs. Moolji Jetha and Co., Fort, Bombay.
 90. Seth Amritlal Ratanchand, Kalbadevi Road, Bombay.

91. Lala Jwala Prasad, B. A., C. E., Etawah.
92. Lala Harkishan Lal, Bar-at-Law, Lahore.
93. Lala Shankar Sahai, Rais, Etah.

Clause (d) :—

1. Pandit Ramesh Datta Pande, Education Department, Kashmir State, nominated by H. H. the Maharaja Bahadur of Jammu and Kashmir on 1st November, 1918.
2. Kunwar Chain Singh M.A., LL.B., of Pokharan nominated by His Highness the Maharaja of Jodhpur on 28th August 1919.
3. Mashirud-daulah M. Govind Rao, B. A., LL. B., nominated by H. H. the Maharaja Holkar of Indore, on 9th December, 1921.
4. Rai Kamta Prasad Bahadur, B.A., nominated by H. H. the Maharaja of Bikaner on 30th March, 1916.
5. Babu Sanjiban Ganguli, M.A., Asstt. Accountant-General, Jaipur State, nominated by H. H. the Maharaja of Jaipur on 20th November, 1922.
6. Rai Bahadur Raoji Janardan Bhide of Gwalior, nominated by H. H. the Maharaja Scindia of Gwalior on 13th October, 1916.
7. Sardar Gokul Chand, Foreign Minister, Patiala State, nominated by H. H. the Maharaja of Patiala on 19th June, 1922.
8. Chaudhari Raghunandan Prasad Sinha, P. O. Silout, Dist. Muzaffarpur, nominated by the Maharajadhiraj of Darbhanga on 6th November, 1922.

Clause (e) :—

1. Babu Deviprasad Khaitan, B.A., B.L., c/o. Messrs. Birla Brothers & Co. Ltd., 137, Canning Street, Calcutta,

nominated by Seth Ghaanshyam Das Birla of Calcutta on the 27th October, 1920.

2. Pandit Madhava Prasad, M. A., L L. B., c/o Seth Sheo-Narayan Baldeodas, Marwari-bazar, Bombay, nominated by Seth Baldeodasji Birla of Calcutta on the 27th of October, 1920.
3. Pandit Ramakanta Malaviya, B. A., L L. B., George Town, Allahabad, nominated by Seth Jugal Kishore Birla of Calcutta on the 27th October, 1920.
4. Rao Krishnapal Singh, Awagarh House, Etah, nominated by Raja Suryapal Singh of Awagarh on 24th October, 1922.

Pandit Radhakanta Malaviya, Kalbadevi Road, Bombay, nominated by Rai Sangidas Jessiram.

6. Rai Sahib Satyendra Prasad Sanyal, Shivala, Benares City, nominated by Mr. Bhojanath Barooah on 24th November, 1922.
7. Mr. Badridas Goenka, B. A., c/o Messrs. Ramdutt Ram Kishen Das, 31, Banstollah Street, Calcutta, nominated by Rai Harnandrai Ramnarain Bahadur on 23rd November, 1922.

Class III Elected Members.

Clause (a) :—

NO ELECTION.

Clause (b) :—

Elected on 23rd March, 1919.

1. Pandit Manohar Lal Zutshi, M. A., Assistant Director of Public Instruction, U. P.
2. Babu Beni Madhava Mehrotra, Agent, Benares Bank Limited, Muzaffarpur.
3. Dr. Sir P. C. Roy, Kt., C. I. E., D.Sc., Ph.D., 72, Upper Circular Road, Calcutta.

4. Rai Krishna Das; Rais, Benares.

Elected on 24th March, 1920.

5. Pandit Iqbal Narayan Gurtu, M. A., L L. B., Shantikunj, Kamachha, Benares.
6. Munshi Mahadeva Prasad, M. A., L L. B., Kalkagali, Benares.
7. Babu Purushottam Das Tandon, M. A., L L. B., Vakil High Court, Allahabad.
8. Babu Sri Prakasa, Bar-at-Law, Sevashram, Sigra, Benares.
9. Prof. Jogendra Nath Samaddar, Patna College, Patna.
10. Pandit Guru Sevak Upadhyaya, B. A., Deputy Collector, United Provinces.

Elected on 21st April, 1921.

11. Mr. C. Y. Chintamani, Allahabad.
12. Babu Sundar Lal Rajay, Rais, Fyzabad.
13. Babu Kamakhyadat Ram, Clyde Road, Lucknow.
14. Babu Manohar Lal, Rais, Fyzabad.
15. Principal B. Sanjiva Rao, M. A., (Oxon), Queen's College, Benares.

Elected on 29th April, 1922.

16. The Hon'ble Justice Sir Ashutosh Mukerji, Kt., C. I. E., M. A., D. L., D. Sc., of Calcutta.
17. Dr. Sir J. C. Bose, Kt., C. S. I., C. I. E., D.Sc., Calcutta.
18. Dr. Rabindra Nath Tagore, D. Litt., Shanti Niketan, Bolpur.
19. Professor Syama Charan De, M. A. Registrar, Benares Hindu University.

20. Pandit Hirdaya Nath Kunzru, M. A., B. Sc., M.L. C.,
Servants of India Society, Bank Road, Allahabad.
21. Pandit Prakash Narayan Sapru, M. A., L L. B., Bar-at-
Law, Allahabad.
22. Dr. Hari Singh Gour, D. C. L., L L. D., M. L. A., Bar-
at-Law, Nagpur.*
23. The Hon'ble Mr. Purushottam Das Thakur Das, B. A.,
C. I. E., Bombay.†

Elected on 22nd June, 1923.

24. Sir Tej Bahadur Sapru, Allahabad.
25. Pandit Jagat Narayan, Lucknow.
26. Pandit Krishna Kanta Malaviya, Editor of the "Abhyu-
daya", Allahabad.
27. The Hon'ble Mr. Justice Kanhaiyalal, Allahabad.
28. Rai Bahadur Lala Sitaram, M. A., L L. B., M. L. C.,
Meerut.
29. Mrs. Sarojini Naidu, Hyderabad.
30. The Hon'ble Mr. Justice Gokul Prasad, Allahabad.‡

Clause (c) :—

Elected on 6th December, 1919.

1. Dr. Chandra Sekhara Venkata Raman, M. A., D. Sc.,
F. R. S., College of Science, Calcutta.

* Elected for the residue of the term of Mahatma Mohandas Karam Chand Gandhi resigned who was elected on 21st April, 1921.

† Elected for the residue of the term of Babu Shiva Prasad Gupta resigned who was elected on 23rd March, 1919.

‡ Elected for the residue of the term of Lala Lajpat Rai resigned who was elected for the residue of the term of the late Lokamanya Tilak elected on 23rd March, 1919.

2. Sant Teja Singh, M. A., L L. B., A. M., (Harvard)
Akali College, Lahore.

Elected on 31st March, 1921.

3. Professor N. P. Gandhi, M. A., B. Sc., A. R. S. M.,
A. I. M. M., F. G. S., Benares Hindu University.
4. Professor K. R. Gunjekar, B. A., B. Sc., Elphinstone
College, Bombay.

Elected on 28th October, 1921.

5. Dr. S. S. Bhatnagar, D. Sc., Benares Hindu University.
6. Mr. Lakshmi Narayan M. A., Lucknow University,
Lucknow.

Elected on 31st October, 1922.

7. Professor P. Seshadri, M. A. Benares Hindu University.
8. Professor Madhava Rao Balaji Rane, M. A., Benares
Hindu University.

Elected on 4th January, 1924.

9. Professor R. S. Inamdar, B. Ag., B. Sc. Benares Hindu
University.
10. Kaviraj Umacharana Bhattacharya, Dasaswamedh Ghat,
Benares.

Clause (d) :—

Elected on 29th November, 1919.

1. Professor A. B. Diruva, M.A., LL.B., Principal, Central
Hindu College, Benares Hindu University.
2. Pandit DindayaI Sharma, Rishibhavan, Brandeth Road,
Lahore.

Elected on 11th December, 1920.

3. Pandit Panchanana T rkaratna, Bhatpara, 24-Parganas, Bengal.
4. Mahamahopadhyaya Pandit Lakshmana Sastri Dravida Government Samskrit College, Calcutta.

Elected on 14th December, 1921.

5. Pandit Madan Mohan Malaviya, B.A., LL.B., Benares Hindu University.
6. Pandit Ramavatara Sarma, M.A., Patna College, Patna.
7. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana, Benares Hindu University.

Elected on 30th November, 1922.

8. Mahamahopadhyaya Sastri Hathibhai Harisankara, Jamnagar, Kathiawar.
9. Pandit Ambadasa Sastri, College of Oriental Learning, Benares Hindu University.
10. Mahamahopadhyaya Pandit Annada Charana Tarkachudamani, College of Oriental Learning, Benares Hindu University.
11. Pandit Ananta Rama Sastri, Ranavira Samskrit Pathashala, Benares.
12. Mahamahopadhyaya Pandit Vamacharana Nyayaratna, Jangambari, Benares.*

Elected on 20th January, 1924.

13. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares Hindu University.

* Elected for the residue of the term of the late Pandit Srikrishna Sastri who was elected on 11th December, 1920.

14. M. M. Dr. Ganga Nath Jha, Vice-Chancellor, Allahabad University, Allahabad.
15. Pandit Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University.

Clause (e) :—

Elected on 13th April, 1919.

1. Sardar Sant Singh, Revenue Assistant, Hoshiarpur.

Elected on 11th December, 1920.

2. Babu Ajit Prasad, M.A., LL.B., Ajitashram, Lucknow.
3. Sir Gur Baksh Singh Bedi, Kt., C.I.E.
4. Bhai Arjun Singh of Bagarian, District Ludhiana.

Elected on 14th December, 1921.

5. Dr. Nihal Karan Sethi D.Sc., Benares Hindu University.
6. Professor Gurmukh N. Singh, M.Sc., Benares Hindu University.

Elected on 30th November, 1922.

7. Major-General Bakhshi Puran Singh of Kapurthala.

Elected on 20th January, 1924.

8. Lala Gurnari Lal, Karnal, Punjab.
9. Raja Satyanand Prasad Singh, Benares.*
10. Mr. Khushal Chandra, Benares.†

Clause (f) :—

Elected on 29th November, 1919.

1. Professor P.B. Adhikari, M.A., Benares Hindu University.

*Elected for the residue of the term of Mr. Makanji J. Mehta, who was elected on 11th December, 1920.

†Elected for the residue of the term of B. Puran Chand Nahar who was elected on 13th April, 1919.

2. The Hon'ble Mr. Sachchidananda Sinha, Bar-at-Law, Patna.

Elected on 11th December, 1920.

3. Sir Ganga Ram, Rai Bahadur, Kt., C.I.E., M.V.O., Lahore.

Elected on 14th December, 1921.

4. Professor P. K. Telang, M.A., LL.B., Benares Hindu University.
5. Rai Bahadur Pandit Baldev Ram Dave, 9, Elgin Road, Allahabad.
6. Mr. Kashi Prasad Jayaswal, M.A., (Oxon), Bar-at-Law, Bankipur.

Elected on 30th November, 1922.

7. Hon. Sir Devaprasad Sarvadhikari, Kt., M.A., LL.D., C.I.E., 20, Suri Lane, Calcutta.
8. Sir P. S. Sivaswamy Aiyer, K.C.S.I., C.I.E., B.A., B.L., "Sudharma" Mylapur, Madras.

Elected on 20th January, 1924.

9. Pandit Gokaran Nath Misra, M.A., LL.B., 7, Neill Road, Lucknow.
10. Col. Bholu Nath, I.M.S., Allahabad.

Clause (g) :—

Elected on 29th November, 1919.

1. Professor P. K. Dutt, M.A., Benares Hindu University.
2. M. M. Pandit Prabhudatta Agnihotri, Principal-in-Charge, College of Theology, Benares Hindu University.
3. Babu Gauri Shankar Prasad, B.A., LL.B., Bulanala, Benares.

Elected on 11th December, 1920.

4. Babu Upendra Nath Basu, B.A., LL.B., Chaukhamba, Benares.
5. Babu Hirendra Nath Datta, M.A., B.L., P.K.S., Solicitor, 139, Cornwallis Street, Calcutta.
6. Babu Iswar Saran, B.A., Vakil, High Court, Allahabad.
7. Dr. Balkrishna Kaul, Lahore.

Elected on 14th December, 1921.

8. Dr. Radhakumud Mukerji, M.A., Ph.D., P.R.S., Lucknow University, Lucknow.
9. Mr. V. N. Mehta, I.C.S., Cawnpore.
10. Professor V. G. Kale, M.A., Fergusson College, Poona.
11. Sir Ashutosh Choudhury, M.A., LL.M., Bar-at-Law, Baliganj, Calcutta.

Elected on 30th November, 1922.

12. Dr. Annie Besant, D. Litt., Adyar, Madras.
13. Babu Jnanendra Nath Basu, B.A., Assistant Secretary to the Council, Benares Hindu University.
14. Babu Govinda Das, Durga Kund, Benares.
15. Babu Durga Prasad, B.A., Laksa, Benares.

Elected on 20th January, 1924.

16. Dr. G. N. Chakravarty, M.A., LL.B., D.Sc., Rai Bahadur, I.S.O., Vice-Chancellor, Lucknow University, Lucknow.
17. Hon'ble B. Ganesh Datta Singh, Minister, B. & O. Patna.*

*Elected for the residue of the term of late Rai Purnendu Narayan Sinha who was elected on 11th December, 1920.

18. Pandit Chhedalal B.A., C/o. Hakim Ramchand, Kalibari, Bareilly.
19. B. Guru Prasad Dhavan, B.A., Manager, Benares Bank Ltd., Benares.
20. Mr. D. N. Ohdedar, LL.B., Vice-Chairman, Town Committee, Benares Hindu University.

THE COUNCIL.

[*Statute 17, Sub-Section 1*].

Clause (i) Ex-officio Members.

The Vice-Chancellor. | The Pro-Vice-Chancellor.

Clause (ii).

(A) MEMBERS ELECTED BY THE COURT.

Elected on 14th December, 1921.

- | | |
|------------------------|---------------------------|
| 1. The Hon. Raja Moti- | 3. Munshi Mahadeva Prasad |
| chand. | 4. Professor P. Seshadri. |
| 2. Sir Gangaram Kt. | 5. Babu Jwala Prasad. |

Elected on 30th November, 1922.

- | | |
|------------------------------|------------------------------|
| 6. Pt. Prabhudatta Sastri. | 11. Babu Jnanendranath Basu. |
| 7. Dr. Annie Besant. | 12. Pt. Parmeshwarnath Sap- |
| 8. Dr. G. N. Chakravarti. | ru. |
| 9. Pt. Baldev Ram Dave. | 13. B. Durga Prasad. |
| 10. Pt. Iqbal Narayan Gurtu. | 14. B. Ghanashyam Das Birla. |

Elected on 20th January, 1924.

- | | |
|-------------------------------|----------------------------|
| 15. M. M. Pt. Pramathanatha | 18. Pandit Ramakanta Mala- |
| Tarkabhusana. | viya. |
| 16. Hon. Justice Kanhaiyalal. | 19. Prof. Syama Charan De. |
| 7. B. Govinda Das. | 20. B. Guru Prasad Dhavan. |

(B) MEMBERS ELECTED BY THE SENATE.

Elected on 7th January, 1922.

21. Prof. M. B. Rane. | 22. Prof. P. B. Adhikari.

Elected on 5th December, 1922.

23. Principal Charles A. King. | 24. Prof. P. K. Dutt.

Elected on 12th October, 1923.

25. Prof. P. K. Telang.

[STATUTE 17, SUB-SECTION 2].

Elected on 14th December, 1921.

26. Sir Devaprasad Sarva- | 27. Prof. V. G. Kale.
dhikari.

Elected on 30th November, 1922.

28. Sir Sivaswamy Aiyer.

Elected on 20th January, 1924.

29. Mr. Devi Prasad Khaitan. | 30. B. Ganesh Datta Singh.†

THE SENATE.

[Statute 19, Sub-Section 1].

Class I.—Ex-officio Members.

Clause (a) :—

The Chancellor.

The Vice-Chancellor.

The Pro-Chancellor.

The Pro-Vice-Chancellor.

†Elected for the residue of the term of the late Rai Purnendu Narayan Sinha who was elected on 30th November, 1922.

Clause (b) :

1. Principal A. B. Dhruva, M.A., LL.B., Central Hindu College, Benares, (*Sanskrit*), (6-10-19).
2. Dr. Sir P. C. Roy, Kt., C.I.E., D.Sc., Ph.D., 72, Upper Circular Road, Calcutta, (*Chemistry*), (4-11-17).
3. Prof. N. C. Nag, M.A., F.I.C., Bose Institute, Calcutta, (*Chemistry*), (12-4-19).
4. Dr. Nilratan Dhar, M.A., D.Sc., Allahabad University, Allahabad, (*Chemistry*), (with effect from 27-11-23 on 29-11-23).*
5. Dr. C. V. Raman, M.A., D.Sc., College of Science, Calcutta, (*Physics*), (with effect from 12-2-23).*
6. Prof. Bertram Keightley, M.A., Bar-at-Law, C/o. Dr. Gyanendranath Chakravarti, Vice-Chancellor, Lucknow University, Lucknow, (*Philosophy*), (with effect from 12-2-23).*
7. Prof. V. G. Kale, M.A., Fergusson College, Poona, (*Economics*), (with effect from 27-11-23 on 29-11-23).*
8. Prof. P. K. Telang, M.A., LL.B., Theosophical Society, Benares, (*History*), (25-2-22).*
9. Dr. S. S. Bhatnagar, M.Sc., D.Sc., Central Hindu College, Benares, (*Chemistry*), (26-9-21).
10. Prof. R. S. Inamdar, B.Ag., (Bom.), B.Sc., (Cantab.), Central Hindu College, Benares, (*Biology*), (2-5-20).
11. Prof. Haru Ram Mehra, Ph.D., Central Hindu College, Benares, (*Zoology*).
12. Captain Charles A. King, B.Sc. (Hons. Eng. London), A.R.C.Sc., M.I.M.E., M.I.S.E., M.I.M., M.I.E., (Ind.) M. Auto. Asso. of Bengal, F.C.U., Principal Engineer-

*Appointed Honorary University Professor for a period of two years.

ing College, Benares, (*Mechanical Engineering*), (13-8-18).

13. Prof. N. P. Gandhi, M.A., B.Sc., A.R.S.M., A.I.M.M., F.G.S., Benares Hindu University, Benares, (*Mining and Metallurgy*), (6-10-19). (9-8-20).
14. Prof. Krishna Kumar Mathur, B.Sc., A.R.S.M., Central Hindu College, Benares, (*Geology*), (9-8-20).
15. Mr. L. D. Coueslant, B.Sc., Engineering College, Benares Hindu University, Benares, (*Mechanical Engineering*), (9-1-21).

Clause (c) :—

1. Pandit A. B. Dhruva, *Principal, Central Hindu College.*
2. Captain Charles A. King, B.Sc., A.R.C.Sc., etc., *Principal, Engineering College.*
3. Mahamahopadhyaya Pandit Pramathanatha Tarkabhushana *Principal, College of Oriental Learning.*
4. Principal Chandramauli Sukul, M.A., L.T., *Principal, Teachers' Training College.*
5. Mahamahopadhyaya Pandit Prabhudatta Sastri, *Principal, College of Theology.*

Class II.—Elected Members.

Clause (a) :—

1. The Hon'ble Maharaja Sir Kameshwar Singh Bahadur, G. C. I. E., of Darbhanga, (29. 11. 19).
2. Dr. Annie Besant (11. 12. 20).
3. Dr. G. N. Chakravarti (20. 1. 24).

4. Babu Govinda Das (30. 11. 22).

5. Rai Bahadur Pandit Baldeva Ram Dave (14. 12. 21).

Clause (b):—

(VACANT).

Clause (c):—

1. Mahamahopadhyaya Pandit Yadavesvara Tarkaratna, 49, Durgakund, Benares (29. 10. 19).
2. Mahamahopadhyaya Pandit Hara Narayana Sastri, Vidya-Sagar, Hindu College, Delhi (31. 10. 22).
3. Kaviraj Umacharana Bhattacharya, Dasaswamedhghat, Benares (3. 11. 20).
4. Mr. Kashi Prasad Jayaswal, M. A., Bar-at-Law, Exhibition Road, Patna (28. 10. 21).
5. Pandit Ambadasa Sastri, College of Oriental Learning, Benares (12. 10. 23).

Clause (d):—

Elected on 12th October, 1923.

- | | |
|------------------------------|---------------------------------------|
| 1. Professor P. K. Dutt. | 6. Dr. Nihal Karan Sethi. |
| 2. Professor P. Seshadri. | 7. Prof. Phuldeo Sahay Varma |
| 3. Professor M. B. Rane. | 8. Prof. Indradev Tiwari. |
| 4. Professor P. B. Adhikari. | 9. Prof. Bhim Chandra Chat-
terji. |
| 5. Professor H. L. Chablani. | 10. Prof. Gurmukh N. Singh.† |

Clause (e):—

1. Pt. Manohar Lal Zutshi, M. A., C. T., I. E. S., Assistant Director of Public Instruction, United Provinces, Allahabad (29. 10. 19).

† Resigned Professor R. S. Jain was elected for the residue of his term on 26th March. 1924.

2. Professor Nilkamal Bhattacharya, M. A., Central Hindu College, Benares (28. 10. 21).
3. Pandit Gopinatha Kaviraj, M. A., Saraswati Bhavan, Benares (28. 10. 21).
4. Professor Syam Sundar Das, B. A., Central Hindu College, Benares (8. 11. 22).
5. Professor Syama Charan De, M. A., Registrar, Benares Hindu University, Benares (12. 10. 23).

Class III—Nominated Members.

1. The Hon'ble Sir C. F. de la Fosse, Kt., M. A., D. Litt., C. I. E., (15. 1. 20).
2. Mr. G. Clarke, F. I. C., F. C. S., Offg. Director of Agriculture U. P., Cawnpore (3. 3. 21).
3. Mr. H. Burkinshaw, 8, Chowringhee Mansions, Calcutta, (21. 8. 21).
4. Mr. S. G. Elton of the firm of Messrs. Worthington, Simpson Ltd., Calcutta (21. 8. 21).
5. Mr. Arthur Devon, M. Sc., M. I. M. E., M. Inst., T. M. I. E., (India), Loco Superintendent, East Indian Railway, Jamalpur (26. 3. 23).*

THE SYNDICATE.

[STATUTE 21 SUB-SECTION (1).]

Note—The elected members of the Syndicate hold office for three years.

* Appointed with effect from the 1st April, 1923, for the residue of the term of Mr. W. J. Tomes resigned who was nominated with effect from 20th December, 1922.

Ex-Officio Members.

1. The Vice-Chancellor. | 2. The Pro-Vice-Chancellor.

Elected Members.

Elected on 7th January, 1922.

- | | |
|-------------------------|----------------------------|
| 1. Dr. Ganesh Prasad.* | 3. Professor Krishna Kumar |
| 2. Dr. S. S. Bhatnagar. | Mathur. |

Elected on 31st October, 1922.

- | | |
|------------------------------|----------------------------|
| 4. Professor P. Seshadri. | 7. Professor N. P. Gandhi. |
| 5. Professor P. B. Adhikari. | 8. Prof. Gurmukh N. Singh. |
| 6. Professor M. B. Rane. | |

Elected on 26th January, 1923.

9. Professor L. D. Coueslant.†

Elected on 12th October, 1923.

- | | |
|----------------------------|-----------------------------|
| 10. Mahamahopadhyaya Pt. | 12. Professor P. K. Telang. |
| Pramatha Natha Tarka- | 13. Prof. Charles A. King. |
| bhusana.‡ | 14. Prof. R. S. Inamdar. |
| 11. Dr. G. N. Chakravarti. | 15. Professor P. K. Dutt. |

* Resigned. Dr. H. R. Mehra was elected for the residue of his term on 26th March, 1924.

† Elected for the residue of the term of Professor R. L. Turner who was elected on 7th January, 1922.

‡ Elected for the residue of the term of Professor K. R. Gunjkar who was elected on 7th January, 1922.

THE FACULTY OF ARTS.

Dean:

Principal A. B. Dhruva, M. A., L L. B. (II. 10. 23).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th October, 1923.

- | | |
|---|---|
| 1. The Chancellor. | 17. Prof. H. R. Batheja. |
| 2. The Pro-Chancellor. | 18. Dr. S. S. Bhainagar. |
| 3. Pandit Madan Mohan
Malaviya. | 19. Mr. Kashi Prasad Jayas-
wal. |
| 4. Principal A. B. Dhruva. | 20. Prof. Syama Charan De. |
| 5. The Hon'ble Maharaja
Sir Rameshwar Singh of
Darbhanga. | 21. Professor P. Seshadri. |
| 6. Dr. Annie Besant. | 22. Prof. P. B. Adhikari. |
| 7. Dr. G. N. Chakravarti. | 23. Professor M. B. Rane. |
| 8. Sir P. C. Roy. | 24. Prof. H. L. Chabiani. |
| 9. Prof. P. K. Telang. | 25. Prof. Nilkamal Bhatta-
charya. |
| 10. Dr. C. V. Raman. | 26. Prof. R. S. Inamdar. |
| 11. Prof. Bertram Keightley. | 27. Prof. Gurmukh N. Singh. |
| 12. Dr. Ganesh Prasad. | 28. Prof. Shyam Sundar Das. |
| 13. Babu Govinda Dasa. | 29. Professor Chandra Mauli
Sukul. |
| 14. Pt. Manoharlal Zutshi. | 30. Mahamahopadhyaya Pt.
Pramatha Natha Tarka-
bhusana. |
| 15. The Hon'ble Sir C. F. de
la Fosse. | 31. Prof. Indradev Tewari. |
| 16. Professor V. G. Kale. | 32. Prof. B. C. Chatterji. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on the 29th November, 1923.

Professor Anukul Chandra Mukerji, M. A., Allahabad
University, Allahabad.

2. Pandit Kashi Raina, M.A., Inspector of Samskrit Pathshalas, United Provinces, Benares.
3. Professor H. B. Malkani, M.A., Teachers' Training College, Benares.
4. Maulvi Mohammad Hasan, Teacher of Urdu, Central Hindu College, Benares.
5. Professor Surendra Nath Bhattacharya, M.A., Central Hindu College, Benares.
6. Professor Jivan Shankar Yajnik, M.A., LL.B., Central Hindu College, Benares.
7. Pandit Iqbal Narayan Gurtu, M.A., LL.B., Shanti Kunj, Benares.
8. Mr. Marichiman Singh, Bara Quazi.
9. Pandit A. Chinnaswami Sastri, College of Oriental Learning, Benares.
10. Professor Ganga Prasad Mehta, M.A., Central Hindu College, Benares.
11. Pandit Ambika Prasad Upadhyaya, Exhibition Road, Patna.
12. Professor Shyam Narayan Lal, M.A., B.L., Central Hindu College, Benares.
13. Pandit Hirdaya Nath Kunzru, M.A., B.Sc., Servants of India Society, 6, Bank Road, Allahabad.
14. Pandit Batuk Nath, M.A., Central Hindu College, Benares.
15. Dr. Tarachand, M.A., Principal, Kayastha Pathshala, Allahabad.
16. Professor Krishnanandan Prasad, M.A., Bar-at-Law, Central Hindu College, Benares.

17. Professor Gyanchand, M.A., Central Hindu College, Benares.
18. Professor K. C. Bhattacharya, M.A., P.R.S., No. 4, Panchanantola lane, Serampore, Bengal.
19. Professor B. M. Ghoshal, M.A., Teachers' Training College, Benares.
20. Professor K. C. Chatterji, M.A., Central Hindu College, Benares.
21. Pandit Ramachandra Shukla, Central Hindu College, Benares.
22. Pandit Vidhusekhar Sastri.
23. Professor P. Subramaniam, M.A., Teachers' Training College, Benares.
24. Professor S. G. Dunn, Allahabad University, Allahabad.
25. Professor M. M. Desai, Central Hindu College, Benares.
26. Professor Baldev Upadhyaya, M.A., Central Hindu College, Benares.
27. Pandit Ram Narain Misra, B.A., Head-Master, Central Hindu School, Benares.
28. Mahamahopadhyaya Pandit Padma Nath Bhattacharya, 179, Agastakunda, Benares.
29. Professor Kashi Nath Das, Ravenshaw College, Cuttack.
30. Professor S. P. Bhargava, M.A., LL.B., Principal, S. D. College of Commerce, Cawnpore.
31. Dr. V. S. Ram, M.A., Ph.D., Lucknow University, Lucknow.
32. Professor Shukdeva Pande, M.Sc., Central Hindu College, Benares.

THE FACULTY OF SCIENCE.

Dean:

Principal Charles A. King, B.Sc., A.R.C.Sc., (11. 10. 23).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th October, 1923.

- | | |
|------------------------------------|----------------------------|
| 1. The Chancellor. | 15. Prof. Charles A. King. |
| 2. The Pro-Chancellor. | 16. Prof. R. S. Inamdar. |
| 3. Pandit Madan Mohan
Malaviya. | 17. Prof. L. D. Coueslant. |
| 4. Dr. Sir P. C. Roy. | 18. Prof. K. K. Mathur. |
| 5. Dr. Annie Besant. | 19. Prof. N. P. Gandhi. |
| 6. Dr. G. N. Chakravarti. | 20. Prof. Syama Charan De. |
| 7. Dr. C. V. Raman. | 21. Prof. P. K. Dutt. |
| 8. Dr. Nilratan Dhar. | 22. Prof. M. B. Rane. |
| 9. Dr. S. S. Bhatnagar. | 23. Prof. P. S. Varma. |
| 10. Dr. Ganesh Prasad. | 24. Prof. B. C. Chatterji. |
| 11. Dr. N. K. Sethi. | 25. Mr. G. Clarke. |
| 12. Dr. H. R. Mehra. | 26. Mr. S. G. Elton. |
| 13. Prof. N. C. Nag. | 27. Mr. H. Burkinshaw. |
| 14. Prof. Bertram Keightley. | 28. Mr. Arthur Devon. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 27th November, 1923.

1. Dr. J. N. Mukerji, D.Sc., University College of Science, Calcutta.
2. Dr. Karam Chand Mehta, M.Sc., Ph.D., Professor of Botany, Agra College, Agra.
3. Dr. Karam Narain Bahl, M.A., Ph.D., Lucknow University, Lucknow.

4. Dr. Wali Mohanmad, M.A., Ph.D., Lucknow University, Lucknow.
5. Dr. S. P. Agharkar, M.A., Ph.D., F.S.S., Professor of Botany, College of Science, Calcutta.
6. D. Penman, Esq., B.Sc., M.I., M.E.R., Offg. Chief Inspector of Mines, Dhanbad, Manbhum.
7. W. Saunders Esq., Director, Tata Technical Institute, Jamshedpur.
8. Professor Nand Kumar Tewari, M.Sc., Central Hindu College, Benares.
9. Professor Shukdeva Pande, M.Sc., Central Hindu College, Benares.
10. Professor Pashopati Prasad, M.A., B.Sc., Central Hindu College, Benares.
11. Professor M. M. Koppikar, M.Sc., Central Hindu College, Benares.
12. Professor Sricharan Varma, M.Sc., Central Hindu College, Benares.
13. Professor U. A. Asrani, M.Sc., Central Hindu College, Benares.
14. Professor Y. Bharadwaja, M.Sc., Central Hindu College, Benares.
15. Professor Badrinath Prasad, M.Sc., Central Hindu College, Benares.
16. Professor Sohanlal, M.Sc., Engineering College, Benares.
17. Professor H. L. Chhibber, M.Sc., Engineering College, Benares Hindu University, Benares.
18. Professor R.S. Jain, B.Sc., Engineering College, Benares.

19. Professor R. D. Gulatee, B. Sc., Engineering College, Benares.
 20. Professor Dakshina Ranjan Bhattacharya, M.Sc., Allahabad University, Allahabad.
 21. Professor Lakshmi Narayan, M.A., Lucknow University, Lucknow.
 22. Professor S. P. Prasad, B. A., B. Sc., Agra College, Agra.
 23. Professor J. N. Benode, Foreman Christian College, Lahore.
 24. Mr. D. N. Wadia, M. A., Assistant Superintendent, Geological Survey of India, 27, Chowringhee Road, Calcutta.
 25. Mr. Lakshmi Prasad Mathur, M. Sc., University Lecturer in Zoology, Lucknow University, Lucknow.
 26. Mr. P. C. Speers, Professor of Industrial Chemistry, Foreman Christian College, Lahore.
 27. Professor A. C. Banerjee, Allahabad University, Allahabad.
 28. Professor H.C. Das Gupta, Presidency College, Calcutta.
 29. Professor R. C. Roy, Patna College, Patna.
-

THE FACULTY OF ORIENTAL LEARNING.

Dean:

Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana.
(11. 10. 23)

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th October, 1923.

- | | |
|---|---------------------------------------|
| 1. The Chancellor. | 14. Prof. Syama Charan De. |
| 2. Pandit Madan Mohan Malaviya. | 15. Professor P. Seshadri. |
| 3. Principal A. B. Dhruva. | 16. Professor M. B. Rane. |
| 4. The Hon'ble Maharaja Sir Rameshwar Singh Bahadur of Darbhanga. | 17. Professor P. B. Adhikari. |
| 5. Babu Govinda Das. | 18. Professor P. K. Datta. |
| 6. Professor P. K. Telang. | 19. Professor Nilkamal Bhat-tacharya. |
| 7. Pt. Prabhudatta Sastri. | 20. Dr. H. R. Mehra. |
| 8. M. M. Pt. Yadavesvara Tarkaratna. | 21. Mr. Kashi Prasad Jayas-wal. |
| 9. M. M. Pandit Hara Narayana Sastri. | 22. Prof. Shyam Sundar Das. |
| 10. M. M. Pandit Pramatha-natha Tarkabhusana. | 23. Prof. Chandra Mauli Sukul. |
| 11. Pandit Ambadasa Sastri. | 24. Professor P. S. Varma. |
| 12. Pt. Gopi Nath Kaviraj. | 25. Dr. N. K. Sethi. |
| 13. Kaviraj Umacharana Bhattacharya. | 26. Prof. Indradev Tewari. |
| | 27. Prof. B. C. Chatterji. |
| | 28. Prof. H. L. Chablani. |
| | 29. Prof. R. S. Inamdar. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 27th November, 1923.

1. Mahamahopadhyaya Pandit Hathibhai Harisankara Sastri, Jamnagar, Kathiawar.

2. Mahamahopadhyaya Pandit Vamacharana Nyayaratna, Jangambari, Benares.
3. Pandit Muralidhara Jha, Queen's College, Benares.
4. Pandit Ramayatna Ojha, College of Oriental Learning, Benares Hindu University, Benares.
5. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares Hindu University, Benares.
6. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, College of Oriental Learning, Benares Hindu University, Benares.
7. Pandit Radha Prasada Sastri, Central Hindu College, Benares.
8. Pandit Giridhara Sarma Chaturvedi, Sanatanadharma Sanskrit College, Lahore.
9. Pandit Harihar Swarup Sastri, B.A., Vidyabhusana, Rishi Bhavan, Brandeth Road, Lahore.
10. Pandit Kashi Ramji, Inspector of Sanskrit Pathshalas, U. P., Benares.
11. Kaviraj Dharmadasa, Dasaswamedh Ghat, Benares.
12. Pandit Viresvara Sastri Dravida, Senior Professor of Sanskrit, Maharaja's College, Jaipur.
13. Pandit Vidyadhara Gouda, College of Theology, Benares Hindu University, Benares.
14. Pandit A. Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University, Benares.
15. Pandit Tryambaka Sastri, Bibihatia, Benares.
16. Pandit Ananta Rama Sastri, Ranavira Sanskrit Pathashala Benares

17. Pandit Chandradhar Shastri Sharma, College of Oriental Learning, Benares Hindu University, Benares.
 18. Pandit Kali Prasad Misra, College of Oriental Learning, Benares Hindu University, Benares.
 19. Pandit Vamadevaji, College of Oriental Learning, Benares Hindu University, Benares.
 20. Pandit Ambika Prasad, College of Oriental Learning, Benares Hindu University, Benares.
 21. Pandit Baldev Pathak, College of Oriental Learning, Benares Hindu University, Benares.
 22. Pandit Gulab Jha.
 23. Kavi Devi Prasad.
 24. Dr. M S. Verma, M. B., B. S., Medical Officer, Benares Hindu University, Benares.
 25. Kaviraj Jamini Bhusan Roy, M. A., M. B., M. R. A. S., 46 and 46/1, Beadon Street, Calcutta.
 26. Kaviraj Shyama Das Vachaspati, 40, Grey Street, Calcutta.
 27. Pandit Haran Chandra Sastri, College of Oriental Learning, Benares Hindu University, Benares.
 28. Pandit Deokinandan Misra, Principal Tikmani Pathsala, Benares City.
-

THE FACULTY OF THEOLOGY.

Dean:

M. M. PANDIT PRABHUDATTA SASTRI (11. 10. 23).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2)

Assigned on 12th October, 1923.

- | | |
|---|--------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 8. Pandit Ambadasa Sastri. |
| 2. Principal A. B. Dhruva. | 9. Babu Govinda Das. |
| 3. The Hon'ble Maharaja Sir Rameshwar Singh Bahadur of Darbhanga. | 10. Kaviraj Umacharana Bhattacharya. |
| 4. Mahamahopadhyaya Pt. Pramathanatha Tarkabhusana. | 11. Professor Nilkamal Bhattacharya. |
| 5. Mahamahopadhyaya Yadavesvara Tarkaratna. | 12. Pt. Gopi Nath Kaviraj. |
| 6. Mahamahopadhyaya Hara Narayana Sastri. | 13. Professor P. Seshadri. |
| 7. Mahamahopadhyaya Pt. Prabhudatta Sastri. | 14. Professor P.B. Adhikari. |
| | 15. Mr. Kashi Prasad Jayaswal. |
| | 16. Pandit Indradev Tewari. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER REGULATION 12 OF CHAPTER III.

Co-opted on 28th November, 1923.

1. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares.
2. Mahamahopadhyaya Pandit Durga Prasada Dvivedi, Government Samskrit College, Jaipur.

3. Pandit Ramayatra Ojha, College of Oriental Learning, Benares.
 4. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, College of Oriental Learning, Benares.
 5. Pandit Radha Prasada Sastri, Central Hindu College, Benares.
 6. Pandit Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University.
 7. Pandit Anantarama Sastri, Ranavira Samskrit Pathshala, Benares.
 8. Pandit Kashi Kama M. A., Inspector of Samskrit Pathshalas, U. P., Benares.
 9. Pandit Viresvara Sastri Dravida, Senior Professor of Samskrit, Maharaja's College, Jaipur.
 10. Pandit Giridhara Sarma Chaturvedi, Sanatana Dharma Samskrit College, Lahore.
 11. Pandit Vidyadhara Gouda, College of Oriental Learning, Benares.
 12. Pandit Hari Kama Pandeya, B. A., LL.B., Religious Instructor, Benares Hindu University, Benares.
 13. Pandit Achyutananda Tripathi, College of Oriental Learning, Benares Hindu University, Benares.
 14. Pandit Chandradhara Sastri, College of Oriental Learning, Benares Hindu University, Benares.
 15. Pandit Ajab Lal Jha, College of Oriental Learning.
-

THE FACULTY OF LAW.

Dean:

Pandit Madan Mohan Malaviya, (17. 12. 23).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th October, 1923.

- | | |
|---------------------------------|-----------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 6. Prof. Bertram Keightley. |
| 2. Principal A. B. Dhruva. | 7. Babu Govinda Das. |
| 3. Dr. G. N. Chakravarti. | 8. Prof. P. K. Telang. |
| 4. Pt. Baldev Ram Dave. | 9. Mr. Kashi Prasad Jayaswal. |
| 5. Prof. Gurmukh N. Singh. | 10. Prof. Bhim Chandra Chatterji. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 17th December, 1923.

1. Pandit Gokaran Nath Misra, M. A., LL. B., Neill Road, Lucknow.
2. The Hon'ble Mr. Justice Gokul Prasad, Rai Bahadur, Judge, Allahabad High Court.
3. The Hon'ble Mr. Justice Kanhaiyalal, M. A., LL. B., Rai Bahadur, Allahabad.
4. Dr. Kailash Nath Katju, M. A., LL. D., Allahabad.
5. Munshi Mahadeva Prasad, M. A., LL. B., Kalka Gali, Benares.
6. Pandit Ramakant Malaviya, B.A., LL.B., Bharati Bhavan Allahabad.
7. Pandit Kashi Narain Malaviya, M.A., LL.B., Allahabad.

8. Professor Jivan Shanker Yajnik, M.A., LL.B., The Hindu University, Benares.
9. Pandit Anandi Prasad Dube, B.A., (Cal.), B.C.L., (Oxon.), Bar-at-Law, Allahabad.
10. Pandit Prakash Narain Sapru, M.A., (Alld.), Bar-at-Law, Allahabad.

THE BOARDS OF STUDIES.

(A) THE BOARDS OF STUDIES IN THE FACULTY OF ARTS.

Appointed on 29th November, 1923.

ENGLISH (7)

- | | |
|---|-------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Professor S. G. Dunn. |
| 2. Principal A. B. Dhruva. | 5. Professor Krishna Nandan Prasad. |
| 3. Prof. Bertram Keightley. | 6. Professor Jivan Shanker Yajnik. |
| 7. Professor P. Seshadri (<i>Convener</i>). | |

PHILOSOPHY (7)

- | | |
|---|----------------------------------|
| 1. Principal A. B. Dhruva. | 4. Prof. K. C. Bhattacharya. |
| 2. Professor Bertram Keightley. | 5. Prof. Indradev Tiwari. |
| 3. Babu Govinda Das. | 6. Prof. Anukul Chandra Mukerji. |
| 7. Professor P. B. Adhikari, (<i>Convener</i>). | |

HISTORY (7)

- | | |
|---|------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Mr. K. P. Jayaswal. |
| 2. Principal A. B. Dhruva. | 5. Prof. G. P. Mehta. |
| 3. Dr. Tara Chand. | 6. Dr. V. S. Ram. |
| 7. Professor P. K. Telang, (<i>Convener</i>). | |

MATHEMATICS (7)

- | | |
|---------------------------|-----------------------------|
| 1. Dr. G. N. Chakravarti. | 4. Prof. Bertram Keightley. |
| 2. Dr. C. V. Raman. | 5. Dr. Ganesh Prasad. |
| 3. Prof. S. D. Pande. | |
6. Professor Syama Charan De, (*Convener*).

ECONOMICS (7)

- | | |
|----------------------------|-------------------------------|
| 1. Professor P. K. Telang. | 4. Professor K. C. Chatterji. |
| 2. Professor V. G. Kale. | 5. Professor Gyan Chand. |
| 3. Dr. V. S. Ram. | 6. Professor S. P. Bhargava. |
7. Professor Gurmukh N. Singh, (*Convener*).

SAMSKRIT AND PALI (7)

- | | |
|-------------------------------------|---|
| 1. Pandit Madan Mohan Malaviya. | 5. Mahamahopadhyaya Pt. Pramathanatha Tarkabhusana. |
| 2. Professor P. K. Telang. | |
| 3. Professor Nilkamal Bhattacharya. | 6. Pandit Kashi Rama. |
| 4. Mr. Kashi Prasad Jayaswal. | 7. Principal A. B. Dhruva, (<i>Convener</i>). |

ARABIC AND PERSIAN (7)

- | | |
|-----------------------------|-------------------------------|
| 1. Pt. Manoharlal Zutshi. | 4. Professor H. B. Malkani. |
| 2. Pt. Iqbal Narayan Gurtu. | 5. Dr. Tara Chand. |
| 3. Maulvi Mohammad Hasan. | 6. Pandit Hriday Nath Kunzru. |
7. Professor Shyam Narayan Lal, (*Convener*).

HINDI (7)

- | | |
|-----------------------------------|------------------------------------|
| 1. Professor Chandra Mouli Sukul. | 4. Professor Jivan Shankar Yajnik. |
| 2. Pt. Ram Narayan Misra. | 5. Mr. Kashi Pd. Jayaswal. |
| 3. Prof. Ganga Pd. Mehta. | 6. Pt. Ramachandra Shukla. |
7. Professor Shyam Sundar Das, (*Convener*)

URDU (7)

- | | |
|---|-----------------------------|
| 1. Pt. Manoharlal Zutshi. | 4. Pandit Iqbal Narayan |
| 2. Maulvi Mohammad Ha- | Gurtu. |
| san. | 5. Professor H. B. Malkani. |
| 3. Pt. Hirday Nath Kunzru. | 6. Dr. S. S. Bhatnagar. |
| 7. Professor Shyam Narain Lal, (<i>Convener</i>). | |

BENGALI (7)

- | | |
|--|----------------------------|
| 1. Professor P. B. Adhikari. | 4. M. M. Pandit Pramatha- |
| 2. Professor Anukul Chan- | natha Tarkabhusana. |
| dra Mukerji. | 5. Professor Surendra Nath |
| 3. Professor Syama Charan | Bhattacharya. |
| De. | 6. Professor B. M. Ghosal. |
| 7. Professor Nilkamal Bhattacharya, (<i>Convener</i>). | |

PARBATIA (3)

- | | |
|---|--------------------------|
| 1. Pandit Ambika Prasad | 2. Mr. Marichiman Singh. |
| Upadhyaya. | |
| 3. Professor P. B. Adhikari, (<i>Convener</i>). | |

SINDHI (7)

- | | |
|--|-----------------------------|
| 1. Professor H. L. Chab- | 2. Professor H. R. Batheja- |
| lani. | |
| 3. Professor H. B. Malkani, (<i>Convener</i>). | |

MARATHI AND GUJARATI (7)

- | | |
|--|----------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor M. B. Rane. |
| 2. Professor P. K. Telang. | 4. Professor J. S. Yajnik. |
| 5. Professor G. P. Mehta, (<i>Convener</i>). | |

TAMIL AND TELUGU (7)

- | | |
|--|--------------------------|
| 1. Prof. P. Subramaniam. | \| 3. Pandit A. Chinnaswami |
| 2. Dr. C. V. Raman. |  | Sastri. |
| 4. Professor P. Seshadri, (<i>Convener</i>). | |

ASSAMESE (3)

1. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana.
2. Professor Nilkamal Bhat-tacharya.
3. Professor P. B. Adhikari, (*Convener*).

KANARESE AND MALAYALAM (3)

1. Professor R. S. Inamdar.
2. Professor P. Subramaniam
3. Professor P. Seshadri, (*Convener*).

TEACHING (7)

1. Pandit Manohar Lal Zutshi.
2. Dr. G. N. Chakravarti.
3. Professor P. K. Telang.
4. Professor B. M. Ghosal.
5. Pandit Iqbal Narayan Gurtu.
6. Professor H. B. Malkani.
7. Professor Chandra Mauli Sukul, (*Convener*).

MODERN EUROPEAN LANGUAGES (7)

1. Professor Bertram Keightley.
2. Dr. S. S. Bhatnagar.
3. Professor R. S. Inamdar.
4. Dr. Ganesh Prasad
5. Professor M. M. Desai, (*Convener*).

COMMERCE (5)

1. Professor S. P. Bhargava.
2. Professor K. C. Chatterji.
3. Professor P. K. Telang.
4. Professor Gyan Chand.
5. Professor Gurmukh N. Singh, (*Convener*).

ORIYA ()

1. Professor Syama Charan De.
2. Professor Kashi Nath Das.
3. Professor Phani Bhushan Adhikari, (*Convener*).

(B) THE BOARDS OF STUDIES IN THE FACULTY OF SCIENCE.
(Appointed on 27th November, 1923.)

CHEMISTRY (7)

- | | |
|---------------------------------------|--|
| 1. Professor M. B. Rane. | 5. Dr. J. N. Mukerji. |
| 2. Professor Phuldeo Sahaya
Varma. | 6. Professor J. N. Benade. |
| 3. Professor R. C. Roy. | 7. Dr. S. S. Bhatnagar,
(Convener.) |
| 4. Dr. Nilratan Dhar. | |

PHYSICS (7)

- | | |
|--------------------------------------|-------------------------------|
| 1. Professor U. A. Asrani. | 4. Professor S. P. Prasad. |
| 2. Dr. C. V. Raman. | 5. Dr. Wali Mohammad. |
| 3. Dr. N. K. Sethi. | 6. Principal Charles A. King. |
| 7. Professor P. K. Dutt, (Convener). | |

MATHEMATICS (7)

- | | |
|---|--------------------------------|
| 1. Professor Pashupati Prasad. | 4. Professor Badrinath Prasad. |
| 2. Professor Shukdeo Pande. | 5. Professor A. C. Banerji. |
| 3. Professor Lakshmi Narayan | 6. Dr. Ganesh Prasad. |
| 7. Professor Syama Charan De, (Convener.) | |

ZOOLOGY (7)

- | | |
|---------------------------------------|----------------------------------|
| 1. Professor D. R. Bhatta-
charya. | 3. Mr. Lakshmi Prasad
Mathur. |
| 2. Dr. Karam Narain Bahl | 4. Dr. H. R. Mehra. |
| 5. Professor S. C. Varma (Convener.) | |

BOTANY (7)

- | | |
|--|----------------------------|
| 1. Professor R. S. Inamdar. | 3. Dr. Karam Chand Mehta. |
| 2. Dr. S. P. Agharkar | 4. Professor Y. Bharadwaj. |
| 5. Professor N. K. Tiwari, (Convener). | |

GEOLOGY AND MINERALOGY (7)

- | | |
|--|------------------------------|
| 1. Principal Charles A. King. | 4. Mr. H. L. Chhibber. |
| 2. Professor P. K. Dutt. | 5. Professor N. P. Gandhi. |
| 3. Mr. D. N. Wadia. | 6. Professor H. C. Das Gupta |
| 7. Professor K. K. Mathur, (Convener.) | |

ENGINEERING (7)

- | | |
|--------------------------------------|-----------------------------|
| 1. Professor Bhim Chandra Chatterji. | 5. Mr. H. Burkinshaw. |
| 2. Professor N. P. Gandhi. | 6. Professor Sohanlal. |
| 3. Professor R. S. Iain. | 7. Professor R. D. Gulatee. |
| 4. Professor L. D. Coueslant. | 8. Professor P. K. Dutt. |
9. Principal Charles A. King (*Convener*).

INDUSTRIAL CHEMISTRY (7)

- | | |
|-------------------------------|--------------------------------------|
| 1. Principal Charles A. King. | 4. Professor Bhim Chandra Chatterji. |
| 2. Professor N. P. Gandhi. | |
| 3. Professor P. C. Speers. | 5. Prof. M. M. Koppikar. |
6. Professor P. S. Varma, (*Convener*).

MINING AND METALLURGY (7).

- | | |
|-------------------------------|----------------------------|
| 1. Principal Charles A. King. | 4. Mr. W. Saunders. |
| 2. Mr. D. Penman. | 5. Professor K. K. Mathur. |
| 3. Professor L. D. Coueslant. | |
6. Professor N. P. Gandhi, (*Convener*).

(C) THE BOARDS OF STUDIES IN THE FACULTY OF ORIENTAL LEARNING.

Appointed on 27th November, 1923.

VEDA SRAUTA (5)

- | | |
|---|-------------------------------|
| 1. Mahamahopadhyaya Pandit Pramathanatha. | 3. Pandit Ambadasa Sastri. |
| 2. Pandit Vidyadhara Gouda. | 4. Pandit Chinmaswami Sastri. |
5. Pandit Prabhudatta Sastri, (*Convener*).

DHARMASASTRA-AGAMA (5)

- | | |
|--|---|
| 1. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana. | 3. Pandit Prabhudatta Sastri. |
| 2. Mahamahopadhyaya Pandit Hara Narayana Sastri. | 4. Mahamahopadhyaya Pandit Annada Charana Tarkachudamani. |
5. Pandit Radha Prasada Sastri, (*Convener*).

PURVA MIMAMSA (5)

- | | |
|--|---|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Mahamahopadhyaya Pan-
dit Annada Charana
Tarkachudamani. |
| 2. Pandit Prabhudatta Sas-
tri. | 4. Pandit Viresvara Sastri
Dravida. |
| 5. Pandit Chinnaswami Sastri, (<i>Convener</i>). | |

VEDANTA (5)

- | | |
|--|----------------------------|
| 1. Mahamahopadhyaya
Pandit Jayadeva Misra | 2. Principal A. B. Dhruva. |
| 4. M. M. Pandit Pramathanatha Tarkabhusana, (<i>Convener</i>). | 3. Pandit Ambadasa Sastri. |

SANKHYA-YOGA (5)

- | | |
|---|---------------------------------------|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Pandit Ambadasa Sastri. |
| 2. Pandit Anantarama Sastri | 4. Professor Phanibhusan
Adhikari. |
| 5. Mahamahopadhyaya Pandit Annada Charana
Tarkachudamani, (<i>Convener</i>). | |

NYAYA VAISESIKA (5)

- | | |
|--|--|
| 1. Principal A. B. Dhruva. | 3. M. M. Pandit Pramatha-
natha Tarkabhusana. |
| 2. Mahamahopadhyaya
Pandit Vama Charana
Nyayaratana. | 4. Pandit Chandradhara Sar-
ma. |
| 5. Pandit Ambadasa Sastri, (<i>Convener</i>). | |

VYAKARANA (5)

- | | |
|---|-----------------------------------|
| 1. Pandit Chandradhara
Sarma. | 3. Pandit Anantarama Sas-
tri. |
| 2. Pt. Hara Narayan Sastri. | 4. Pandit Kali Prasad Misra. |
| 5. Mahamahopadhyaya Pandit Jayadeva Misra, (<i>Convener</i>). | |

KAVYA SANITYA (5)

1. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana.
2. Kavi Devi Prasad.
3. Pandit Vamadeo.
4. Principal A. B. Dhruva.
5. Pandit Chandradhara Sastri, (Convener).

JYAUTISA (5)

- | | |
|------------------------------------|---|
| 1. Pandit Muralidhara Jha. | 3. Pandit Baldeo Jyotishi. |
| 2. Pandit Prabhudatta Sas-
tri. | 4. Prof. Syama Charan De. |
| | 5. Pandit Ramayatra Ojha,
(<i>Contener</i>). |

VAIDYAKA (7)

- | | |
|--------------------------------------|---------------------------------------|
| 1. Kaviraj Jamini Bhushan Roy. | 4. Kaviraj Shunadas Vachaspati. |
| 2. Kaviraj Uma Charana Bhattacharya. | 5. Dr. Mukund Sahaya Varma. |
| 3. Pandit Tryambaka Sastri. | 6. Kaviraj Dharmadasa.
(Convener). |

PĀLI AND PRAKRITA (5)

- | | |
|-------------------------------|---|
| 1. Pandit Gopinath Kaviraj. | 4. M. M. Pandit Pramathanatha Tarkabhusana. |
| 2. Pandit Ambika Prasad. | |
| 3. Mr. Kashi Prasad Jayaswal. | 5. Principal A. B. Dhruva,
(Convenor). |

PURANA AND ITIHASA (5)

4. Pandit Deokinandan Misra.
3. Pandit Ambadasa Sastri.
2. Pandit Giridhara Sarma Chaturvedi.
4. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani.
5. Pandit Radha Prasada Sastri, (Convener).

HINDI (7)

1. Pandit Madan Mohan Malaviya. 2. Mr. Kashi Prasad Jayaswal.

- | | |
|--|----------------------------|
| 3. Prof. Syamsundardas. | 5. Pandit Harihar Swaroop |
| 4. Pandit Chandramauli | Sastri. |
| Sukul. | 6. Pandit Giridhara Sarma. |
| 7. Pandit Kashi Rama, (<i>Convener</i>). | |

CHEMISTRY (7)

- | | |
|------------------------|-----------------------------|
| Mahamahopadhyaya | 3. Kaviraj Dharmadasa. |
| Kaviraj Jaminibhusan | 4. Professor P. K. Dutt. |
| Roy. | 5. Professor M. B. Rane. |
| 2. Kaviraj Uma Charana | 6. Professor Phuldeo Sahai |
| Bhattacharya. | Varma, (<i>Convener</i>). |

PHYSICS (5)

- | | |
|------------------------|--------------------------|
| 1. Kaviraj Uma Charana | 3. Professor M. B. Rane. |
| Bhattacharya. | 4. Professor P. K. Dutt, |
| 2. Kaviraj Dharmadasa. | 5. Dr. N. K. Sethi, |
| | (<i>Convener</i>). |

BIOLOGY (5)

- | | |
|------------------------|--------------------------|
| 1. Mahamahopadhyaya | 3. Kaviraj Dharmadasa. |
| Kaviraj Jamini Bhu- | 4. Dr. H. R. Mehra. |
| san Roy. | 5. Dr. Mukund Sahay Var- |
| 2. Kaviraj Uma Charana | ma, (<i>Convener</i>). |
| Bhattacharya. | |

ENGLISH (3)

- | | |
|----------------------------|---------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor P. Seshadri, |
| 2. Professor Phani Bhusan | (<i>Convener</i>). |
| Adhikari. | |

PASCHATYA DARSANA (5)

- | | |
|----------------------------|------------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor P. B. Adhikari, |
| 2. Prof. Indradeo Tiwari. | (<i>Convener</i>). |

GANITA (3)

- | | |
|---|----------------------------|
| 1. Pandit Ramayatna Ojha. | 2. Pandit Muralidhara Jha. |
| 3. Professor Syamacharan De, (<i>Convener</i>). | |

(E) THE BOARD OF STUDIES APPOINTED BY THE
FACULTY OF LAW.*(Appointed on 17th December, 1923).*

- | | |
|---|--------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Prof. P. K. Telang. |
| 2. Principal A. B. Dhruva. | 5. Pt. Kashi Narayan Malaviya. |
| 3. Dr. Kailash Nath Katju. | 6. Munshi Mahadev Prasad. |
| 7. Pandit Baldev Ram Dave, (<i>Convener</i>). | |

THE BOARDS OF EXAMINERS.

Note—The Boards of Examiners are appointed for two years.

(ARTS AND SCIENCE)

1. ENGLISH.*

Dr. G. N. Chakravarti.	|	Professor S. G. Dunn.
Professor P. Seshadri, (<i>Convener</i>).		

2. PHILOSOPHY.*

Principal A. B. Dhruva.	|	Professor Bertram Keightley.
Professor P. B. Adhikari, (<i>Convener</i>).		

3. HISTORY.*

Pandit Iqbal Narain Gurtu.	|	Dr. Tara Chand.
Professor P. K. Telang, (<i>Convener</i>).		

4. ECONOMICS.*

Pandit Madan Mohan Malaviya.	Professor P. K. Telang.
Professor Gurnukul N. Singh, (<i>Convener</i>).	

5. MATHEMATICS.*

Dr. C. V. Raman.	|	Professor Lakshmi Narayan.
Professor Syama Charan De, (<i>Convener</i>).		

*Constituted on 18th February, 1924.

6. SAMSKRIT AND PALL.*

Professor P. K. Telang. | Prof. Nilkamal Bhattacharya.
Principal A. B. Dhruva, (*Convener*).

7. ARABIC AND PERSIAN. †

Professor Syam Narayan Lal. | Moulvi Mohammad Hasan.
Pandit Iqbal Narayan Gurtu, (*Convener*).

8. MODERN EUROPEAN LANGUAGES. ‡

Professor Bertram Keightley. | Professor R. S. Inamdar.
Professor L. D. Couselant, (*Convener*).

9. HINDI.*

Pandit Chandra Mauli Sukul. | Pandit Kashi Kama.
Professor Syam Sundar Das, (*Convener*).

10. URDU.*

Pandit Iqbal Narayan Gurtu. | Dr. S. S. Bhatnagar.
Professor Syam Narayan Lal, (*Convener*).

11. PAKHATIA.*

Pandit Ambika Prasad Upa- Mr. Marichiman Singh.
dhyaya.
Professor P. B. Adhikari, (*Convener*).

12. BENGALI. †

Professor Nil Kamal Bhatta- | Professor Syama Charan
charya. | De.
Professor P. B. Adhikari, (*Convener*)

13. ASSAMESE. **

Professor P. K. Dutt. | Professor H. N. Dutta.
Professor P. B. Adhikari (*Convener*).

* Constituted on 18th February, 1924.

† Constituted on 12th December, 1922.

‡ Constituted on 17th September, 1923.

** Constituted on 24th November, 1922.

14. MARATHI AND GUJRATI.*

Principal A. B. Dhruva. | Professor P. K. Telang.
 Professor M. B. Rane, (*Convener*).

15. URIA.†

Professor Syama Charan De. | Prof. Kashi Nath Das.
 Professor P. B. Adhikari, (*Convener*).

16. TAMIL AND TELUGU.*

Pandit A. Chinnaswami | Dr. C. V. Raman.
 Sastri. |
 Professor P. Seshadri, (*Convener*).

17. KANARESE AND MALAYALAM. §

Professor R. S. Inamdar. | The Registrar.
 Professor P. Seshadri, (*Convener*).

18. TEACHING.*

Dr. G. N. Chakravarti. | Professor P. K. Telang.
 Pandit Chandra Mauli Sukul (*Convener*).

19. DRAWING.*

Professor L. D. Couselant | Professor N. K. Tiwari.
 Principal Charles A. King (*Convener*).

20. MANUAL TRAINING.‡

Professor N. K. Tiwari. | Professor Bhim Chandra
 | Chatterji.
 Principal Charles A. King‡ (*Convener*).

* Constituted on 12th December, 1922.

† Constituted on 10th December, 1923.

‡ Constituted on 18th February, 1924.

§ Constituted on 14th August, 1922.

|| Professor N. K. Tiwari having resigned his Convenership, Professor Charles A King was appointed Convener of the old Board on 10th December, 1923.

21. COMMERCE.*

Pandit Madan Mohan Mala- | Principal S. P. Bhargava.
viya.

Professor Gurmukh N. Singh, (*Convener*).

22. PHYSICS.*

Dr. C. V. Raman. | Dr. N. K. Sethi
Professor P. K. Dutt, (*Convener*).

23. CHEMISTRY.†

Dr. Sir P. C. Roy. | Dr. S. S. Bhatnagar.
Professor M. B. Rane (*Convener*).

24. BOTANY.‡

Dr. Birbal Sahni. | Professor N. K. Tiwari.
Professor R. S. Inamdar, (*Convener*).

25. ZOOLOGY.*

Prof. D. R. Bhattacharya. | Dr. Karam Narayan Bahl.
Dr. H. R. Mehra (*Convener*).

26. ENGINEERING.‡

Professor L. D. Couselant. Professor Bhim Chandra
Chatterji.
Principal Charles A. King, (*Convener*).

27. INDUSTRIAL CHEMISTRY.‡

(including General and Chemical Engineering.)

Principal Charles A. King. | Professor N. P. Gandhi.
Professor M. B. Rane, (*Convener*).§

* Constituted on 18th February, 1924.

† Constituted on 12th December, 1922.

‡ Constituted on 9th November, 1922.

§ Appointed member and convener in place of Professor N. N. Godbole on 24th July 1923.

28. GEOLOGY.*

Principal C. A. King. | Professor N. P. Gandhi.
 Professor K. K. Mathur, (*Convener*).

29. MINING AND METALLURGY.†

Principal Charles A. King. | Professor K. K. Mathur.
 Professor N. P. Gandhi (*Convener*).

(FACULTY OF ORIENTAL LEARNING.)

I. PRAVESIKA (ALL SUBJECTS)

Principal A. B. Dhruva. | Pandit Ambadasa Sastri.§
 Professor P. B. Adhikari, (*Convener*)

(2) VEDA-SRAUTA.*

Pandit Prabhudatta Sastri. | Pandit Chinnaswami Sastri.
 Pandit Ambadasa Sastri, (*Convener*).

(3) DHARMA SASTRA-AGAMA.*

Pandit R a d h a P r a s a d	|	Mahamahopadhyaya	Pandit
Sastri.		Pramathanatha	Tarka-
		blusana.	

Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, (*Convener*).

* Constituted on 17th September, 1923.

† Constituted on 2nd October, 1923.

‡ Constituted on 24th July, 1922.

§ Appointed member on 28th October, 1922, in place of Pandit Chandra Dhara Sarma Guleri, *deceased*.

|| Appointed Convener on 28th October 1922, in place of Pandit Chandra Dhara Sarma Guleri, *deceased*. Mr. Adhikari was appointed member of the old Board in place of Pandit Ramavatara Sarma, M. A., on 5th January, 1922.

(4) PURVA-MIMAMSA.*

Mahamahopadhyaya	Pandit Ambadasa Sastri,
Pandit Pramathanatha	Pandit Chinnaswami Sastri.
Tarkabhusana.	(Convener).

(5) VEDANTA.*

Mahamahopadhyaya	Principal A. B. Dhruva.
Natha Tarkabhusana.	
	Pandit Ambadasa Sastri, (Convener).

(6) SANKHYA YOGA.*

Mahamahopadhyaya	Mahamahopadhyaya
Pandit Jayadeva Misra.	Pandit Pramathanatha
	Tarkabhusana.
Mahamahopadhyaya	Pandit Annadacharana Tarkachudamani,
	(Convener).

(7) NYAYA-VAISESIKA.*

Pandit Ambadasa Sastri.	| Professor P. B. Adhikari.
Principal A. B. Dhruva,	(Convener).

(8) VYAKARANA.*

Principal A. B. Dhruva.	Mahamahopadhyaya
Mahamahopadhyaya	Pandit Jayadeva Misra.
Pandit Annadacharana	(Convener).
Tarkachudamani.	

(9) JYAUTISA AND MATHEMATICS.*

Pandit Muralidhara Jha.	| Professor Syama Charan De.
Pandit Ramayatna Ojha,	(Convener).

(10) SAHITYA.*

Principal A. B. Dhruva,	| Pandit Chandradhara Sarma.
Mahamahopadhyaya	Pandit Pramatha Natha Tarkabhusana,
	(Convener).

(11) VAIDYAKA.*

Pandit Madan Mohan Malaviya. | Kaviraj Umacharana Bhattacharya.

Kaviraj Dharam Das (*Convener*).

(12) JAINA DARSANA.†

Pandit Ambadasa Sastri. | Babu Govinda Dasa.

Principal A. B. Dhruva (*Convener*).

(13) ITIHASA ARTHA-SASTRA AND NITI-SASTRA.†

Professor P. K. Telang. | Mr. K. P. Jayaswal.

Principal A. B. Dhruva, (*Convener*).

(FACULTY OF THEOLOGY.)

(1) PRAVESIKA (ALL SUBJECTS).

(*Same as for the Faculty of Oriental Learning.*)

(2) KARMAKANDA AND VEDANGA

Mahamahopadhyaya Pandit | Pandit Chinnaśwami Sastri,
Jayadeva Misra. |

Pandit Prabhudatta Sastri, (*Convener*).

(3) ITIHASA, PURANA AND DHARMA-SASTRA.

Professor P. K. Telang. | Kaviraj Umacharana Bhattacharya,

Pandit Radha Prasad Sastri, (*Convener*).

(4) DARSANA SASTRAS.

Mahamahopadhyaya Pandit | Pandit Chinnaśwami Sastri.
Annadacharana Tarkachudamani. | Pandit Ambadasa Sastri,
(*Convener*).

* Constituted on 17th September, 1923.

† Constituted on 28th October, 1922.

(FACULTY OF LAW.)

LAW.

Constituted on 17th September, 1923.

Pt. Madan Mohan Malaviya. | Munshi Mahadeva Prasad.
 Pandit Baldev Ram Dave (*Convener*).

THE BOARD OF APPOINTMENTS.

[STATUTE 27, SUB-SECTION 1.]

Ex-Officio members.

(i) The Vice-Chancellor. | (ii) The Pro-Vice-Chancellor.

Elected members.*Note.—The elected members of the Board of Appointments hold office for two years.*

- | | |
|---|---|
| (iii) (a) Rai Bahadur Pandit Baldev Ram Dave. | } Elected by the Court on 20th January, 1924. |
| (b) The Hon'ble Justice Kanhaiya Lal. | |
| (iv) (a) Pandit Iqbal Narain Gurtu. | } Elected by the Council on 26th August, 1923. |
| (b) Dr. Gyanendra Nath Chakravarti | |
| (v) (a) Principal A. B. Dhruva. | } Elected by the Senate on 7th January, 1924. |
| (b) Professor P. K. Telang. | |
| (vi) (a) Vacant. | } Elected by the Syndicate on 10th March, 1924. |
| (b) Principal Charles A. King. | |

THE CENTRAL HINDU SCHOOL BOARD.

[STATUTE 76.]

*Note.—The members of the Board hold office for three years.***Members:**

(A) MEMBERS NOMINATED BY THE FACULTIES.

Pandit Prabhudatta Sastri.*	Professor Syama Charan De**
Pandit Ramayatna Ojha.†	Pandit Baldev Ram Dave.‡
Professor P. K. Telang.††	

(B) MEMBERS NOMINATED BY THE COUNCIL.

Nominated on 29th March, 1924.

Principal A. B. Dhruva.†	Babu [‡] Guru Prasad Dhavan.
Pandit Chandra Mauli Sukul.‡	Babu Chintamani Mukerji.
Babu Jnanendra Nath Basu.‡	

THE STUDENTS' RESIDENCE COMMITTEE..

[REGULATION I, CHAPTER XII.]

Constituted by the Syndicate on the 10th December, 1923.(a) The Pro-Vice-Chancellor, *Ex-officio*.

- | | |
|--------------------------------------|--|
| (b) (1) Pandit Prabhudatta Sastri. | } Nominated by the Faculty of Theology on the 28th November, 1923. |
| (2) Pandit A. Chinnaswami Sastri. | |
| (c) (1) Dr. S. S. Bhatnagar, D. Sc., | } Nominated by the Syndicate on the 2nd October, 1923. |
| (2) Professor P. B. Adhikari M.A., | |

* Nominated by the Faculty of Theology on 28th November, 1923.

† Nominated by the Faculty of Oriental Learning on 11th October 1923.

†† Nominated by the Faculty of Arts on 11th October, 1923.

** Nominated by the Faculty of Science on 27th November, 1923.

‡ Nominated by the Faculty of Law on 17th December, 1923.

- (d) 1. Babu Guru Prasad
Dhavan, B.A. } Nominated by the Council
2. Professor P. K. Telang, } on the 29th November, 1923.
M. A., LL.B. }
- (e) 1. Pandit Vishnu Datta } Elected by the Students of
Vyas. } the University on the 22nd
2. Mr. S. P. Sinha. } November, 1923.
- (f) Dr. Mukund Sahay Varma, M.B., B.S. Medical Officer,
Ex-officio.
- (g) 1. Principal Charles }
A. King, (12-1-22). }
2. Professor Syama }
Charan De, }
(23-4-23). } Wardens of the Hostels, *Ex-*
3. Mahamahopadhyaya } *officio.*
Pandit Pramatha }
Natha Tarkabhusana }
(21-7-23.) }
4. Professor K. K.
Mathur, (21-7-23.) }

Secretary:

Babu Guru Prasad Dhavan, B.A.

THE LIBRARY COMMITTEE.

[REGULATION I, CHAPTER VIII].

Ex-Officio Members:

The Vice-Chancellor.	The Registrar.
The Pro-Vice-Chancellor.	The Librarian.

Elected Members:

Note.—The elected members of the Library Committee hold office for two years.

Elected on 26th January, 1923

- | | |
|------------------------------|--------------------------------|
| 1. Dr. Ganesh Prasad. | 5. Professor M. B. Rane. |
| 2. Professor P. B. Adhikari. | 6. Professor R. S. Inamdar. |
| 3. Professor P. Seshadri. | 7. Professor Shyam Sundar Das. |
| 4. Professor P. K. Dutt. | 8. Professor L. D. Coueslant. |

Elected on 12th October, 1923.

- | | |
|----------------------------------|-------------------------------|
| 9. Professor P. K. Telang. | 12. Professor H. L. Chablani. |
| 10. M. M. Pandit Pramatha Natha. | 13. Dr. H. R. Mehra. |
| 11. Principal Charles A. King. | 14. Professor N. P. Gandhi. |
| | 15. Prof. Krishna K. Mathur. |
| | 16. Principal C. M. Sukul. |

THE FINANCE COMMITTEE.

(Constituted by the Council on 14th April, 1924).

- | | |
|--|---|
| 1. The Vice-Chancellor. | 7. The Hon'ble Mr. Justice Kanhaiyalal. |
| 2. The Pro-Vice-Chancellor. | |
| 3. The Hon'ble Raja Moti Chand, C.I.E. | 8. Pandit Iqbal Narain Gurtu |
| 4. Sir Ganga Ram Kt. | 9. Babu Guru Pd. Dhavan. |
| 5. Rai Bahadur Pandit Baldev Ram Dave. | 10. Babu Jnanendra Nath Basu. |
| 6. Professor P. K. Telang. | 11. Professor Syama Charan De. |

Convener: Babu Guru Prasad Dhavan.

THE BUILDING COMMITTEE.

(Constituted by the Council on 25th February, 1920).

- | | |
|-----------------------------|---------------------------------|
| 1. The Vice-Chancellor. | 4. The Hon'ble Raja Moti Chand. |
| 2. The Pro-Vice-Chancellor. | |
| 3. Sir Ganga Ram, Kt. | 5. Rai Jwala Prasad. |

- | | |
|---------------------------------------|---|
| 6. Babu Upendra Nath Basu. | 10. Rai Bahadur Pandit Matadin Sukul.* |
| 7. | 11. Rai Bahadur Pandit Shyam Nath Hukku.* |
| 8. Rai Bahadur Pandit Baldev Ram Dave | 12. Rai Krishna Chandra Banerji Bahadur.* |
| 9. Babu Guru Prasad Dhavan | |
- Secretary: Executive Engineer in Charge.*

THE COMMITTEE APPOINTED FOR THE COLLECTION OF FUNDS.

(Constituted by the Council on 25th February, 1920).

- | | |
|--|---|
| 1. Pandit Madan Mohan Malaviya, Vice-Chancellor. | 8. Pandit Gokaran Nath Misra. |
| 2. Dr. G. N. Chakravarti. | 9. Babu Braj Nath. |
| 3. Babu Jwala Prasad. | 10. Pandit Sitaram. |
| 4. | 11. Rai Bahadur Pandit Baldev Ram Dave. |
| 5. Pandit Parmeshwar Nath Sapru. | 12. Rai Bahadur Sultan Singh |
| 6. Babu Guru Prasad Dhavan. | 13. Rai Bahadur Damodar Das. |
| 7. Mr. Sachchidananda Sinha. | 14. Seth Narottam Morarji Gokul Das. |
| | 15. Babu Jnanendra Nath Basu. |

Secretary:

Babu Jnanendra Nath Basu.

THE UNIVERSITY ESTATES COMMITTEE.

Appointed by the Council on the 9th November, 1921.

- | | |
|----------------------------------|------------------------------|
| 1. The Pro-Vice-Chancellor. | 5. Babu Jnanendra Nath Basu. |
| 2. Raja Motichand. | 6. Babu Guru Prasad Dhavan. |
| 3. Rai Purnendu Narayan Sinha. | 7. Babu Jwala Prasad. |
| 4. R. B. Pandit Baldev Ram Dave. | |

*Added on 14th June, 1922.

Chairman:

The Hon'ble Raja Motichand.

Secretary:

Babu Guru Prasad Dhavan.

THE RELIGIOUS INSTRUCTION COMMITTEE.

Appointed by the Faculty of Theology on 31st August, 1919.

- | | |
|---------------------------------|---|
| 1. Pandit Madan Mohan Malaviya. | 4. M. M. Pandit Pramathanatha Tarkabhusana. |
| 2. Principal A. B. Dhruva. | 5. Pt. Viresvara Sastri Dravida. |
| 3. Pandit Prabhudatta Sastri. | 6. Pandit Giridhara Sarma. |
| | 7. Pandit Hari Ram Pande. |

Convener: Pandit Madan Mohan Malaviya.

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS OF GRADUATES AND UNDER-GRADUATES OF OTHER UNIVERSITIES FOR ADMISSION TO THIS UNIVERSITY AND REPORT ON THEM TO THE SYNDICATE.

Constituted by the Syndicate on the 30th July, 1918.

- | | |
|---|---|
| 1. The Principal, Central Hindu College. | 3. The Principal, College of Oriental Learning. |
| 2. The Principal, Teachers' Training College. | 4. The Principal, College of Theology. |
| 5. The Registrar, (<i>Convener</i>). | |

N. B.—In the case of the applications of Graduates the head of the department concerned shall also be a Member.

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS
OF GRADUATES AND UNDER-GRADUATES FOR UNI-
VERSITY SCHOLARSHIPS OF MERIT.

Constituted by the Syndicate on 25th July, 1919.

- | | |
|-----------------------------|-----------------------------|
| 1. The Pro-Vice-Chancellor. | 5. The Principal, College |
| 2. Dr. G. N. Chakravarti. | of Oriental Learning. |
| 3. The Principal, Central | 6. The Principal, College |
| Hindu College. | of Theology. |
| 4. The Principal, Teachers' | 7. The Principal, Engineer- |
| Training College. | ing College. |

Convener: The Pro Vice-Chancellor.

N. B.—In the case of the applications of graduates the heads of departments of the Central Hindu College also to be members.

THE COMMITTEE APPOINTED TO RECOMMEND THE AWARD
OF BIRLA SCHOLARSHIPS.*

Constituted by the Syndicate on the 14th August, 1922.

- | | |
|-------------------------------|---------------------------|
| 1. The Pro-Vice-Chancellor. | 4. Professor M. B. Rane. |
| 2. Principal Charles A. Kirg. | 5. Professor P. Seshadri. |
| 3. Professor P. K. Telang. | 6. The Registrar. |

Chairman:—The Pro-Vice-Chancellor.

Convener:—The Registrar.

THE COMMITTEE APPOINTED TO MAKE RECOMMENDATIONS
REGARDING THE AWARD OF SCHOLARSHIPS TO THE STU-
DENTS OF THE COLLEGES OF ORIENTAL LEARNING.
AND THEOLOGY AND THE RAṆAVIRA
SAMSKRIT PATHSALA.*

Constituted by the Syndicate on the 18th August, 1921.

1. The Principal, College of Oriental Learning (*Convener*).

* The same Committee was appointed to make recommendations for the award of the Parbatibai Jain Scholarships, the Ratanchand Dalpatram Shah Scholarships, the Gomti Vahu Scholarships and the Rai Chandri Prasad Scholarships. (Vide Syndicate resolutions dated 14th August, 1922, 9th November, 1922, and 12th December, 1922.)

† The same Committee was appointed to make recommendations for the award of Richard Burn Scholarships also (vide Syndicate minutes dated 12th December, 1922.)

2. The Principal, College of Theology.
3. The Adhyaksha Ranavira Samskrit Pathshala
4. Pandit Ambadasa Sastri.
5. Professor P. K. Telang, M. A., L. L. B.
6. Professor P. Seshadri, M. A.
7. Professor P. B. Adhikari, M. A., *Convener*.*

THE COMMITTEE APPOINTED TO BRING OUT THE RESULTS
OF THE UNIVERSITY EXAMINATIONS OF 1924.

Constituted by the Syndicate on 2nd October, 1923.

- | | |
|------------------------------|---|
| 1. The Vice-Chancellor. | 7. Professor P. Seshadri. |
| 2. The Pro-Vice-Chancellor. | 8. Principal Charles A. King. |
| 3. Professor K. K. Mathur. | 9. Professor N. P. Gandhi. |
| 4. Professor P. K. Telang. | 10. Professor Nilkamal Bhat-
tacharya. |
| 5. Professor P. K. Dutt. | |
| 6. Professor P. B. Adhikari, | 11. Registrar, (<i>Convener</i>). |

THE ACADEMIC ROBES COMMITTEE.

Constituted by the Senate on the 28th November, 1921.

- | | |
|--|----------------------------|
| 1. Pandit Madan Mohan
Malaviya. | 5. Dr. Ganesh Prasad. |
| 2. Principal A. B. Dhruva. | 6. Professor P. K. Telang. |
| 3. Pandit Prabhudatta Sastri. | 7. Dr. S. S. Bhatnagar. |
| 4. M. M. Pandit Pramatha-
natha Tarkabhusana. | 8. Professor P. Seshadri. |
| | 9. The Registrar. |

Convener: Professor P. Seshadri.

THE REFORMS COMMITTEE.

Constituted by the Senate on the 27th March, 1920.

- | | |
|----------------------------|--------------------------|
| 1. The Vice-Chancellor. | 3. Professor M. B. Rane. |
| 2. Principal A. B. Dhruva. | 4. Professor P. K. Dutt. |

* Appointed member and convener of the committee on 28th October, 1922 in place of the late Pandit Chandradhara Sarma Guleri who was appointed on 12th April 1922, in place of Pandit Ramavatara Sarma.

- | | |
|--------------------------------|-------------------------------|
| 5. Dr. Sir P. C. Roy. | 18 Prof. Lakshmi Narayan. |
| 6. Sir C. F. de la Fosse. | 19. Professor P. B. Adhikari. |
| 7. Babu Govinda Das. | 20. Professor H. L. Chablani. |
| 8. Dr. G. N. Chakravarti. | 21 Prof. Haru Ram Mehra. |
| 9. Dr. Ganesh Prasad. | 22. Professor N. P. Gandhi. |
| 10. Principal Charles A. King. | 23. Prof. L. D. Coueslant.* |
| 11. Sant Teja Singh. | 24. Prof. K. R. Gunjkar. |
| 12. Dr. C. V. Raman. | 25. Professor R. S. Inamdar. |
| 13. Professor H. R. Batheja. | 26. Prof. S. S. Bhatnagar.* |
| 14. Prof. Bertram Keightley. | 27. Prof. K. K. Mathur.* |
| 15. Pt. Ramavatara Sarma. | 28. Prof. Gurmukh N. Singh.* |
| 16. Professor P. K. Telang. | 29. The Registrar. |
| 17. Professor P. Seshadri | |

Chairman : The Vice-Chancellor.

Convener and Vice-Chairman : Principal A. B. Dhruva.†

THE TOWN COMMITTEE (Provisional).

Constituted by the Council on 23rd February, 1924.

- | | |
|------------------------------|-------------------------------|
| 1. The Pro-Vice-Chancellor. | 6. Principal Charles A. King. |
| 2. Dr. M. S. Varma. | 7. Professor U. A. Asrani. |
| 3. Pandit Lakshman Das. | 8. Professor K. K. Mathur. |
| 4. Babu Bhola Nath Seth | 9. Mr. Devendra Nath Ohde- |
| 5. Babu Jnanendra Nath Basu. | dar (<i>Convener</i>). |

THE GOWSHALA COMMITTEE.

Constituted by the Council on 23rd April, 1924.

- | | |
|-------------------------|------------------------|
| 1. Mr. D. N. Ohdedar. | 4. Mr. U. A. Asrani. |
| 2. Babu G. P. Dhavan. | 5. Pandit Laksman Das. |
| 3. Babu Bholanath Seth. | |

Convener : PANDIT LAKSHMAN DAS.

* Added on 24th April, 1922.

†Appointed on 12th October, 1923.

OTHER OFFICERS AND REPRESENTATIVES.

ASSISTANT SECRETARY TO THE COUNCIL :

Babu Jnanendranath Basu, B.A.

PERSONAL ASSISTANT TO THE PRO-VICE-CHANCELLOR :

Babu Guru Prasad Dhavan, B.A.

Appointed 8th April, 1917.

ASSISTANT REGISTRAR :

Pandit Indradeva Tewari, M.A.

Appointed 26th February 1921.

HONORARY CHIEF ENGINEER :

Sir Ganga Ram Kt., Rai Bahadur, C.I.E., M.V.O.

Appointed 7th November, 1916

EXECUTIVE ENGINEER :

Pandit Lakshman Das.

REPRESENTATIVE ON THE COURT OF VISITORS OF THE
INDIAN INSTITUTE OF SCIENCE, BANGALORE.

Sir P. S. Sivaswamy Aiyer, B.A., B.L., Kt.

Elected 30th March, 1919.

REPRESENTATIVE ON THE BOARD OF HIGH SCHOOL AND
INTERMEDIATE EDUCATION, UNITED PROVINCES :*

Principal A. B. Dhruva, M.A., LL.B.,

Elected 18th March, 1922.

REPRESENTATIVE ON THE CONFERENCE OF EXTRA-MURAL
UNIVERSITY TEACHING.

Professor H. R. Mehra, M. Sc.

Elected 26th January, 1923.

REPRESENTATIVES ON THE INDIAN UNIVERSITIES CONFERENCE.

1. Pandit Madan Mohan Malaviya, B. A., L L. B.,
Vice-Chancellor.
2. Principal A. B. Dhruva, M. A., LL. B.
3. Dr. S. S. Bhatnagar, D. Sc.
4. Professor P. Seshadri, M. A.
5. Professor L. D. Coueslant, B. Sc. etc.

Elected 10th December, 1923.

*Constituted under Intermediate Education Act No. II of 1921.

† Held at Cambridge from 6th to 10th July, 1923.

‡ Held at Simla in May, 1924.

[1924—25.]

LORD RECTOR:

Ex-officio—(Section 5.)

His Excellency the Viceroy and Governor-General of India.

VISITOR:

Ex-officio—(Section 6).

His Excellency the Governor of the United Provinces of
Agra and Oudh.

PATRONS:

(Statute 3 Sub-section 1.)

Clause (i) Ex-officio.

1. H. E. the Governor of Bengal.
2. H. E. the Governor of Madras.
3. H. E. the Governor of Bombay.
4. H. E. the Governor of Bihar and Orissa.
5. H. E. the Governor of the Punjab.
6. H. E. the Governor of Burma.
7. H. E. the Governor of Assam.
8. H. E. the Governor of the Central Provinces.
9. H. E. the Governor of the North-West Frontier Pro-
vinces.

10. The Chief Commissioner of British Baluchistan.
11. The Chief Commissioner of Delhi.
12. The Chief Commissioner of Ajmer-Merwara.
13. The Chief Commissioner of Coorg.
14. The Chief Commissioner of Andaman and Nicobar Islands.

Clause (ii) :—

1. *His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.
2. *His Highness Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I., Maharaja of Mysore.
3. *His Highness Maharaja Sir Pratap Singh Bahadur, G.C.S.I., G.C.I.E., Maharaja of Jammu and Kashmir.

Central India.

4. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G. C. S. I., G. C. V. O., L. L. D., Maharaja of Gwalior.
5. *His Highness Maharajadhiraj Raj Rajeshwar Sawai Shri Tukoji Rao Bala Sahib Holkar, Maharaja of Indore.
6. *His Highness Maharaja Lokendra Govind Singh Bahadur, Maharaja of Datia.

Rajputana.

7. *His Highness Maharajadhiraj Maharana Fateh Singhji Bahadur, G.C.S.I., G.C.I.E., Maharana of Udaipur.

*Appointed by His Excellency the Lord Rector. Vide letter No. 518, Government of India-Education), dated the 15th May, 1916.

8. *His Highness Raj-Rajeshwar Narendra-Shiromani Shri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikanir.
9. *His Highness Maharao Sir Umed Singh Bahadur, G.C.S.I., G.C.I.E., Maharao of Kotah.
10. *His Highness Maharajadhiraj Sir Madan Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Kishengarh.
11. His Highness Sawai Maharaja Sir Jai Singhji Bahadur, K.C.S.I., K.C.I.E., Maharaja of Alwar.
12. *His Highness Maharaj-Rana Sir Bhawani Singh Bahadur, K.C.S.I., Maharaj-Rana of Jhalawar.

Punjab.

13. †His Highness Farzand-i-Khas Daulat-i-Inglishia, Mansur-ul-Zaman, Amir-ul-Umra Maharaja-i-Rajgan Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
14. *His Highness Maharaja Ripudaman Singh Mahavendra Bahadur, F.R.G.S., M.R.A.S., Maharaja of Nabha.
15. *His Highness Maharaja Sir Jagatjit Singh Bahadur, G.C.S.I., of Kapurthala.

United Provinces.

16. *His Highness Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., G.C.S.I., LL.D., Maharaja of Benares.

*Appointed by His Excellency the Lord Rector, Vide Letter No. 518, (Government of India—Education), dated the 25th May, 1916.

†Appointed by His Excellency the Lord Rector, Vide Letter No. 976, (Government of India—Education), dated the 28th November, 1918.

VICE-PATRON :

(Statute 3, Sub-section 2).

The Hon'ble Maharajadhiraj Dr. Sir Rameshwar Singh
Bahadur, G.C.I.E., D.L. of Darbhanga.

CHANCELLOR :

(Statute 4.)

His Highness Maharaja Sir Sayaji Rao Gaekwar Baha-
dur, G.C.S.I., G.C.I.E., LL.D., Maharaja of Baroda.

Elected 30th November, 1922.

PRO-CHANCELLOR :

(Statute 6).

His Highness Raj-Rajeshwar Narendra-Shiromani Shri
Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I.,
G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja
of Bikaner.

Elected 20th December, 1924.

VICE-CHANCELLOR :

(Statute 8).

Pandit Madan Mohan Malaviya, B.A., LL.B.

Elected 30th November, 1922.

PRO-VICE-CHANCELLOR :

(Statute 10).

Principal A. B. Dhruva, M.A., LL.B.

Elected 30th November, 1922.

REGISTRAR:

Professor Syama Charan De, M.A.

Appointed 26th February, 1921.

TREASURER:

(Statute 13).

The Hon'ble Raja Moti Chand, C.I.E., Azmatgarh
Palace, Benares.

Appointed 20th December, 1924.

AUDITORS:

Messrs. Batliboy & Co., Calcutta.

Appointed 20th December, 1924.

THE COURT.

(Statute 14, Sub-section 1).

Class I—Ex-officio Members.

1. *Chancellor*—His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., Maharaja of Baroda.
2. *Pro-Chancellor*—His Highness Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner.
3. *Vice-Chancellor*—Pandit Madan Mohan Malaviya, B.A., LL.B., Allahabad.
4. *Pro-Vice-Chancellor*—Principal A. B. Dhruva, M.A., LL.B., the Benares Hindu University.

Class II—Donors and their representatives.**Clause (a) :—**

1. H. H. Maharaja Sir Prātap Singhji Bahadur, G.C.S.I., G.C.I.E., of Jammu and Kashmir.
2. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G.C.S.I., G.C.V.O., LL.D., of Gwalior.
3. H. H. Maharajadhiraj Raj-Rajeshwar Sawai Shri Tukojirao Holkar Bahadur of Indore.
4. H. H. Raj-Rajeshwar Narendra-Shiromani Sri Maharajadhiraj Sir Ganga Singhji Bahadur, G.C.S.I., G.C.I.E., LL.D., G.C.V.O., G.B.E., K.C.B., of Bikaner.
5. His Highness Raj-Rajendra Maharajadhiraj Sri Man Singhji Bahadur, of Jaipur.
6. H. H. Farzand-i-Khas, Daulat-i-Inglishia, Mansur-ul-zaman, Amir-ul-Umra, Maharaja-i-Rajgan, Maharaja Bhupendra Singh Mahendra Bahadur, G.C.I.E., G.C.S.I., G.B.E., of Patiala.
7. H. H. Maharaja Sir Umed Singhji Bahadur of Jodhpur.

Clause (b) :—

1. H. H. Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I. of Baroda.
2. H. H. Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I. of Mysore.
3. H. H. Maharajadhiraj Maharana Sir Fateh Singhji Bahadur, G.C.S.I., G.C.I.E., of Udaipur.
4. H. H. Maharao Sir Umed Singhji Bahadur, G.C.S.I., G.C.I.E., of Kotah.
5. H. H. Maharaja Sawai Sir Jey Singhji Bahadur, K.C.S.I., K.C.I.E., of Alwar.

6. H. H. Maharaja Sir Prabhu Narain Singh Bahadur, G.C.I.E., G.C.S.I., LL.D., of Benares.
7. H. H. Maharajadhiraj Ripudaman Singh Malavendra Bahadur, F.R.G.S., M.R.A.S., of Nabha.
8. The Hon'ble Maharajadhiraj Sir Rameshwar Singh Bahadur, G.C.I.E., of Darbhanga.
9. Maharaja Sir Manindra Chandra Nandy Bahadur, K.C.I.E., of Kossimbazar.
10. Raja Baldeodasji Birla, Lalghat, Benares.
11. The Hon'ble Raja Motichand, C.I.E., Azmatgarh Palace Benares.
12. Babu Brajendra Kishore Roy Chaudhury, Zamindar of Gauripur, District Mymensingh.
13. Raja Suraj Bakhsh Singh, Talukdar, Kasmanda, Sitapur.
14. Mahant Satish Chandra Giri, Mahant of Tarkeswar.
15. Babu Jugal Kishore Birla of the Firm of Messrs. Baldeo Das Jugal Kishore, 18, Mullick Street, Calcutta.
16. Seth Ghanashyam Das Birla, 137, Canning Street, Calcutta.
17. Messrs. Baldeodas Hazarimal Dudhwale, Chorbagán, Calcutta.
18. Rai Sahib Sangidas Jesiram, New Marine Lines, Bombay.
19. Rai Ramnarayan Harnandrai Bahadur, Mont Pleasant, Bombay.
20. Raja Suryapal Singh M.L.C., of Awagarh.
21. Seth Mulraj Khatau, 42, Ballard Road, Fort, Bombay.
22. Seth Mathuradas Vussanji Khimji, 3, Wallace Street, Bombay.

23. Sriyut Devshankar Dayashankar Dave, Moosa Buildings, Bombay.

Clause (c) :—

1. H. H. Maharaj Rana Sir Bhawani Singhji Bahadur, K.C.S.I., of Jhalawar.
2. H. H. Maharaja Sir Jagat Jit Singhji Bahadur, G.C.S.I., of Kapurthala.
3. H. H. the Maharaj Rana Sir Udaibhan Singhji, K.C.S.I., of Dholpur.
4. H. H. Maharaja Sir Madan Singhji Bahadur, K.C.S.I., K.C.I.E., of Kishengarh.
5. His Highness Maharawal Shri Lakshman Singhji, of Dungarpur.
6. Her Highness the Maharani Saheba of Bikaner.
7. The Maharaj Kumar Saheb of Bikaner.
8. Rani Surat Kumari K.I.H., of Khairigarh.
9. The Hon'ble Raja Sir Rampal Singh, K. C. I. E., of Kurri Sudauli, Dist. Raibareilly.
10. Raja Ram Gopal Singh Bahadur of Manda, District Allahabad.
11. Raja Kirtyanand Sinha, B. A., Deorhi Champanagar, Dist. Purnea,
12. Raja Harihar Prasad Narayan Singh of Amawan, Patna.
13. Raja Kristo Das Law, 2, Cornwallis Street, Calcutta.
14. Raja Rishee Kesh Law, C.I.E., 96, Amherst Street, Calcutta.
15. Sir Sukhdeo Prasad, Kt., C. I. E., Minister, Jodhpur State,

16. Sir Prabha Shankar Dalpatram Pattani, K. C. I. E., Bhavanagar.
17. Sir Gangaram, Rai Bahadur, Kt., C. I. E., M. V. O., Ganganivas, Lahore.
18. Babu Ganga Bakhsh Singh, Taluqdar of Tikari. Shahmau, Rai Bareilly.
19. Rai Saheb Bhateley Shyam Beharilal. Rais. Beraree. Dist. Etawah.
20. Babu Madho Prasad Saheb, Banker. Rani Mandi, Allahabad.
21. Babu Man Mohan Das, Banker, Rani Mandi, Allahabad.
22. Seth Raghunath Prasad Poddar of the Firm of Messrs. Tara Chand Ghanashyam Das, 10, Mullick Street, Calcutta.
23. Babu Chandi Charan Law. 223, Cornwallis Street, Calcutta.
24. Babu Ambika Charan Law, 24, Sukia Street, Calcutta.
25. Babu Sourindra Mohan Singh, Zamindar, Bhagalpur.
26. Lala Kunjkishore Tandan Sachchavala, Banker, Etawah.
27. Pandit Someshwar Datta Sukul, B.A., Land-owner and Banker, Sitapur.
28. Babu Chhedilal Agarwala, 3, Hastings Street, Calcutta.
29. Lala Ramnath Tandan Sachchavala, Banker. Etawah.
30. Babu Bishun Narain. Rais, Fyzabad.
31. Sahu Ram Kumar. Rais. Thakurdwara, Dt. Moradabad.
32. Rai Sahib Chaudhury Raghubir Narain Singh, Rais, Asora, District Meerut.

33. The Hon. Lala Sukhbir Sinha, Zamindar and Banker, Muzaffarnagar.
34. Seth Narottam Morarjee Gokuldas, Pedder Road, Bombay.
35. Seth Ratansi Dharamsi Morarjee, Girgaon, Bombay.
36. Rai Govind Chand (minor), Rais, Mohalla Phatak Rangil Das, through the Court of Wards, Benares.
37. Akhauri Babu Prem Narain, Rais and Zamindar, Narain Villa, Gaya.
38. Mr. S. Srinivas Aiyanger, Advocate-General, Mylapore, Madras.
39. Seth Baldeo Das Rameshwardas, c/o. Messrs. Sitalprasad Khargprasad, Bankers, 30, Burtolla Street, Calcutta.
40. Seth Hazarimal Sohanlal, c/o. Messrs. Sitalprasad Kharg Prasad, Bankers, 30, Burtolla Street, Calcutta.
41. The Hon'ble Rai Ramsaran Das Bahadur, C.I.E., Rais, Lahore.
42. Babu Jainarain Taparia, Chandi Bazar, Bombay.
43. Babu Vithal Das Thakurdas, Silver Market, Bombay.
44. Babu Hiralal Bakordas, Silver Market, Bombay.
45. Babu Chamniram Motilal, Silver Market, Bombay.
46. Babu Moolchand Jeevraj (Kesavalal Moolchand), Silver Market, Bombay.
47. Seth Bacchraj Jamnalal, 183/85, Kalbadevi Road, Bombay.
48. Messrs. Premchand Raichand and Sons, Fort, Bombay.
49. Babu Sfiramji Ramnarain, Marwari Bazar, Bombay.

50. Seth Vithal Das Liladhar, Chartered Buildings, Bombay.
51. Babu Bankeylal, Marwaribazar, Bombay.
52. Babu Moongalal, Marwaribazar, Bombay.
53. Seth Tulsidas Moorarji, Cloth Market, Bombay.
54. Seth Mathuradas Gokuldas, Cloth Market, Bombay.
55. Seth Mathuradas Naraindas, New Gamdevi Road, Bombay.
56. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort Bombay.
57. Srimati Monghi Bai, c/o. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.
58. Srimati Kesar Bai, c/o. Seth Hansraj Pragji Thakersey, 2, Rampart Row, Fort, Bombay.
59. Babu Pannalal Jivanlal, B. Bhagwantlal and B. Mohanlal, Malabar Hill, Bombay.
60. Seth Pooranchand Karamchand Kotwala, Bombay.
61. Mr. Jaithabhai Goolabchand, Share Market, Bombay.
62. Babu Manmohan Das Nemidas, Share Market, Bombay.
63. Babu Mansukhlal Chaganlal, Share Market, Bombay.
64. Seth Vussanjee Munjee, Malabar Hill, Bombay.
65. Seth Purushottam Ratansi, Share Market, Bombay.
66. Seth Khimji Assur Veerji, Fort, Bombay.
67. Messrs. Chotalal Kothari and Co., Share Market, Fort, Bombay.
68. Babu Shiva Narayanji Nemani, Silver Market, Bombay.
69. Babu Rameshwarji Jwala Datta, Silver Market, Bombay.

70. Babu Saroop Chand Prithiraj, Silver Market, Bombay.
71. Seth Amarchand Madhavaji, Calcutta.
72. Babu Chaju Kam, Calcutta.
73. B. Ramchandra, c/o. Messrs Tarachand Ghanshyamdas Zakaria Street, Calcutta.
74. Babu Bharat Indu, Farrukhabad.
75. Babu Gouri Shankar Goenka, Khurja.
76. Babu Rameshwar Das Birla, Birla House, Sandhurst Road, Bombay.
77. Seth Soorajmal Harnandrai, Bombay.
78. Messrs. Manilal Jugaldas, Bombay.
79. Seth Govindlal Motilal, Bombay.
80. Seth Moolji Haridas, Dungarsey Street, Malabar Hill, Bombay.
81. Seth Shantidas Asukaran, Fort, Bombay.
82. Seth Kalachand Devchand, Share market, Bombay.
83. Seth Anandilal Poddar, Marwari-bazar, Bombay.
84. Seth Mangaldas Girdhardas Parekh, Ahmedabad.
85. Babu Brajmohan Lal Birla, Lalghat, Benares.
86. Seth Karsandas Tricumdas. Chartered Buildings, Fort, Bombay.
87. Seth Chhabildas Lakshmidas, Napean Sea Road, Bombay.
88. Seth Ambalal Sarabhai, Ahmedabad.
89. Seth Chaturbhuj Gobardhandas of Messrs. Moolji Jetha and Co., Fort, Bombay.
90. Seth Amritlal Ratanchand, Kalbadevi Road, Bombay.

91. Lala Jwala Prasad, B. A., C. E., Etawah.
92. Lala Harkishan Lal, Bar-at-Law, Lahore.
93. Lala Shankar Sahai, Rais, Etah.

Clause (d) :—

1. Pandit Ramesh Datta Pande, Education Department, Kashmir State, nominated by H. H. the Maharaja Bahadur of Jammu and Kashmir on 1st November, 1918.
2. Mashirud-daulah M. Govind Rao, B. A., L.L. B., nominated by H. H. the Maharaja Holkar of Indore, on 9th of December, 1921.
3. Rai Kamta Prasad Bahadur, B.A., nominated by H. H. the Maharaja of Bikaner on 30th March, 1916.
4. Babu Sanjiban Ganguli, M.A., Asstt. Accountant-General, Jaipur State, nominated by H. H. the Maharaja of Jaipur on 20th November, 1922.
5. Rai Bahadur Raoji Janardan Bhide of Gwalior, nominated by H. H. the Maharaja Scindia of Gwalior on 13th October, 1916.
6. Sardar Gokul Chand, Foreign Minister. Patiala State, nominated by H. H. the Maharaja of Patiala on 19th June, 1922.
7. Chaudhari Raghunandan Prasad Sinha, P. O. Silout, Dist. Muzaffarpur, nominated by the Maharajadhiraj of Darbhanga on 6th November, 1922.

Clause (e) :—

1. Kunwar Chain Singh M.A., LL.B., Pokaran House Jodhpur, nominated by His Highness the Maharaja of Jodhpur on 28th August 1919.
2. Babu Deviprasad Khaitan, B.A., B.L., c/o. Messrs. Birla Brothers & Co. Ltd., 137, Canning Street, Calcutta.

nominated by Seth Ghaushyam Das Birla of Calcutta on the 27th October, 1920.

3. Pandit Madhava Prasad, M. A., L L. B., c/o Seth Sheo Narayan Baldeodas, Marwari-bazar, Bombay, nominated by Seth Baldeodasji Birla of Calcutta on the 27th of October, 1920.
4. Pandit Ramakanta Malaviya, B. A., L L. B., George Town, Allahabad, nominated by Seth Jugal Kishore Birla of Calcutta on the 27th October, 1920.
5. Rao Krishnapal Singh, Awagarh House, Etah, nominated by Raja Suryapal Singh of Awagarh on 24th October, 1922.
6. Pandit Radhakanta Malaviya, Kalbadevi Road, Bombay, nominated by Rai Sangidas Jessiram.
7. Rai Sahib Satyendra Prasad Sanyal, Shivala, Benares City, nominated by Mr. Bholanath Barooah on 24th November, 1922.
8. Mr. Badridas Goenka, B. A., c/o Messrs. Ramdutt Ram Kishen Das, 31, Banstollah Street, Calcutta, nominated by Rai Harnandrai Ramnarain Bahadur on 23rd November, 1922.

Class III—Elected Members.

Clause (a) :—

NO ELECTION.

Clause (b) :—

Elected on 24th March, 1920.

1. Pandit Iqbal Narayan Gurtu, M.A., LL.B., Shantikunj, Kamachha, Benares.
2. Munshi Mahadeva Prasad, M.A., LL.B., Kalkagali, Benares.

3. Babu Purushottam Das Tandon, M.A., LL.B., Vakil, High Court, Jonstonganj, Allahabad.
4. Babu Sriprakasa, Bar-at-Law, Sevashram, Sigra, Benares.
5. Prof. Jogendra Nath Samaddar, Patna College, Patna.
6. Pandit Guru Sevak Upadhyaya, B.A., Deputy Collector, United Provinces.

Elected on 21st April, 1921.

7. Mr. C. Y. Chintamani, Editor, the "Leader", Allahabad.
8. Babu Sundar Lal Rajay, Rais, Fyzabad.
9. Babu Kamakhyadat Ram, Rai Sriram's House, Lucknow.
10. Babu Manohar Lal, Rais, Fyzabad.
11. Principal B. Sanjiva Rao, M. A., (Oxon), Queen's College, Benares.

Elected on 29th April, 1922.

12. Vacant.
13. Dr. Sir J. C. Bose, Kt., C. S. I., C. I. E., D.Sc., Calcutta.
14. Dr. Rabindra Nath Tagore. D. Litt., Shanti Niketan, Bolpur.
15. Professor Syama Charan De, M.A. Registrar, Benares Hindu University.
16. Pandit Hirdaya Nath Kunzru, M.A., B.Sc., M.L.C., Servants of India Society, Bank Road, Allahabad.
17. Pandit Prakash Narayan Sapru, M.A., LL.B., Bar-at-Law, Allahabad.
18. Dr. Hari Singh Gour, D. C. L., L. L. D., M. L. A., Bar-at-Law, Nagpur.*

* Elected for the residue of the term of Mahatma Mohandas Karam Chand Gandhi resigned who was elected on 21st April, 1921.

Elected on 22nd June, 1923.

19. Sir Tej Bahadur Sapru, Allahabad.
20. Pandit Jagat Narayan, Lucknow.
21. Pandit Krishna Kanta Malaviya, Editor of the "Abhyudaya", Allahabad.
22. The Hon'ble Mr. Justice Kanhaiyalal, Allahabad.
23. Rai Bahadur Lala Sitaram, M. A., L. L. B., M. L. C., Meerut.
24. Mrs. Sarojini Naidu, Hyderabad.

Elected on 1st July, 1924.

25. Dr. P. C. Roy, Kt., C. I. E., D.Sc., Ph.D., 72, Upper Circular Road, Calcutta.
26. The Hon'ble Sir Purushottam Das Thakur Das, Kt., B.A., C. I. E., Bombay.
27. Dr. Tara Chand, M.A., Ph.D., Principal, K. P. College, Allahabad.
28. Mrs. Padmabai B. Sanjiva Rao, B. A., The Theosophical Women's College, Benares.
29. Major Ram Prasad Dube, M. A., LL.B., Allahabad.
30. Babu Kavindra Narayan Sinha, Rais. Benares.

Clause (c) :—

Elected on 31st March, 1921.

1. Professor N. P. Gandhi, M. A., B. Sc., A. R. S., A. I. M. M., F. G. S., Benares Hindu University.
2. Professor K. R. Gunjekar, B. A., B. Sc., Elphinstone College, Bombay.

Elected on 28th October, 1921.

3. Dr. S. S. Bhatnagar, D. Sc., Benares Hindu University.
4. Mr. Lakshmi Narayan M. A., Lucknow University, Lucknow.

Elected on 31st October, 1922.

5. Professor P. Seshadri, M. A. Benares Hindu University.
6. Professor Madhava Rao Balaji Rane, M. A., Benares Hindu University.

Elected on 6th January, 1924.

7. Professor R. S. Inamdar, B. Ag., B. Sc. Benares Hindu University.
8. Kaviraj Umacharana Bhattacharya, Dasaswamedh Ghat, Benares.

Elected on 12th November, 1924.

9. Dr. Chandra Sekhara Venkata Raman, M. A., D. Sc., F. R. S., College of Science, Calcutta.
10. Dr. H. R. Mehra, D.Sc., Central Hindu College, Benares.

Clause (d) :—

Elected on 11th December, 1920.

1. Pandit Panchanana Tarkaratna, Bhatpara, 24-Parganas, Bengal.
2. Mahamahopadhyaya Pandit Lakshmana Sastri Dravida Government Samskrit College, Calcutta.

Elected on 14th December, 1921.

3. Pandit Madan Mohan Malaviya, B.A., LL.B., Benares Hindu University.
4. Pandit Ramavatara Sarma, M.A., Patna College, Patna.

5. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana, Benares Hindu University.

Elected on 30th November, 1922.

6. Mahamahopadhyaya Sastri Hathibhai Harisankara, Jannagar, Kathiawar.
7. Pandit Ambadasa Sastri, College of Oriental Learning, Benares Hindu University,
8. Mahamahopadhyaya Pandit Annada Charana Tarkachudamani, College of Oriental Learning, Benares Hindu University.
9. Pandit Ananta Rama Sastri, Ranavira Samskrit Pathashala, Benares.
10. Mahamahopadhyaya Pandit Vamacharana Nyayacharya, Jangambari, Benares.*

Elected on 20th January, 1924.

11. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares Hindu University.
12. M. M. Dr. Ganga Nath Jha, Vice-Chancellor, Allahabad University, Allahabad.
13. Pandit Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University.

Elected on 20th December, 1924.

14. Professor A. B. Dhruva, M.A., LL.B., Principal, Central Hindu College, Benares Hindu University.
15. Pandit DindayaI Sharma, Rishibhavan, Brandeth Road, Lahore.

* Elected for the residue of the term of the late Pandit Srikrishna Sastri who was elected on 11th December, 1920.

Clause (e):—*Elected on 11th December, 1920.*

1. Babu Ajit Prasad, M.A., LL.B., Delhi.
2. Sir Gur Baksh Singh Bedi, Kt., C.I.E., Rawalpindi.
3. Bhai Arjun Singh of Bagarian, District Ludhiana.

*Elected on 14th December, 1921.**

4. Professor Gurmukh N. Singh, M.Sc., Benares Hindu University.

Elected on 30th November, 1922.

5. Major-General Bakhshi Puran Singh of Kapurthala.

Elected on 20th January, 1924.†

6. Lala Girnari Lal, C/o B. Ajit Prasad, Dharampura, Delhi.
7. Raja Satyanand Prasad Singh, Benares.*

Elected on 20th December, 1924.

8. The Hon'ble Sardar Jogendra Singh, Taluqdar of Aira.
9. Mr. Khushal Chandra, Benares.
10. Rai Bahadur Nandmal of Ajmere.†

Clause (f) :—*Elected on 11th December, 1920.*

1. Sir Ganga Ram, Rai Bahadur, Kt., C. I. E., M. V. O., Lahore.

Elected on 14th December, 1921.

2. Professor P. K. Telang, M.A., LL.B., Benares Hindu University.

* Elected for the residue of the term of Mr. Makanji J. Mehta who was elected on 11th December, 1920.

† Elected for the residue of the term of Dr. Nihal Karan Sethi resigned who was elected on 14th December, 1921.

3. Kai Bahadur Pandit Baldev Ram Dave, 9, Elgin Road, Allahabad.
4. Mr. Kashi Prasad Jayaswal, M.A., (Oxon), Bar-at-Law, Bankipur.

Elected on 30th November, 1922.

5. Hon. Sir Devaprasad Sarvadhikari, Kt., M.A., LL.D., C.I.E., 20, Suri Lane, Calcutta.
6. Sir P. S. Sivaswamy Aiyer, K.C.S.I., C.I.E., B.A., B.L., "Sudharma" Mylapur, Madras.

Elected on 20th January, 1924.

7. Pandit Gokaran Nath Misra, M.A., LL.B., 7, Neill Road, Lucknow.
8. Col. Bhola Nath, I.M.S., Allahabad.

Elected on 20th December, 1924.

9. Professor Phani Bhushan Adhikari, M.A., Central Hindu College Benares.
10. Mr. Anandi Prasad Dube, Bar-at-Law, Allahabad.

Clause (g) :—

Elected on 11th December, 1920.

1. Babu Upendra Nath Basu, B.A., LL.B., Chaukhamba, Benares.
2. Babu Hirendra Nath Datta, M.A., B.L., P.R.S., Solicitor, 139, Cornwallis Street, Calcutta.
3. Babu Iswar Saran, B.A., Vakil, High Court, Allahabad.
4. Dr. Balkrishna Kaul, Lahore.

Elected on 14th December, 1921.

5. Dr. Radhakumud Mukerji, M.A., Ph.D., P.R.S., Lucknow University, Lucknow.

6. Mr. V. N. Mehta, I.C.S., Cawnpore.
7. Professor V. G. Kale, M.A., Fergusson College, Poona.

Elected on 30th November, 1922.

8. Dr. Annie Besant, D. Litt., Adyar, Madras.
9. Babu Jnanendra Nath Basu, B.A., Chief Secretary to H. H. the Maharaja Bahadur of Darbhanga.
10. Babu Govinda Das, Durga Kund, Benares.
11. Babu Durga Prasad, B.A., Laksa, Benares.

Elected on 20th January, 1924.

12. Dr. G. N. Chakravarty, M.A., LL.B., D.Sc., Rai Bahadur, I.S.O., Vice-Chancellor, Lucknow University, Lucknow.
13. Hon'ble B. Ganesh Datta Singh, Minister, B. & O. Patna.*
14. Pandit Chhedalal B.A., C/o. Hakim Ramchand, Kalibari, Bareilly.
15. B. Guru Prasad Dhavan, B.A., Seva Upavana, Nagwa, Benares.
16. Mr. D. N. Ohdedar, LL.B., Vice-Chairman, Town Committee, Benares Hindu University.

Elected on 20th December, 1924.

17. The Hon'ble Rai Rajeshwar Bali, O.B.E., Minister to the Government U. P.
18. Professor Prafulla Kumar Dutt, M.A., Central Hindu College, Benares.

*Elected for the residue of the term of late Rai Purnendu Narayan Sinha which will expire on 10th December, 1920.

19. Pandit Lakshman Das, Executive Engineer, Benares Hindu University, Benares.
20. Babu Baidyanath Das, Benares.*

THE COUNCIL.

[*Statute 17, Sub-Section 1*].

Clause (i) Ex-officio Members.

The Vice-Chancellor. | The Pro-Vice-Chancellor.

Clause (ii).

(A) MEMBERS ELECTED BY THE COURT.

Elected on 30th November, 1922.

- | | |
|-----------------------------|------------------------------|
| 1. Pt. Prabhudatta Sastri. | 6. Babu Jnanendranath Basu. |
| 2. Dr. Annie Besant. | 7. Pt. Parmeshwarnath Sapru. |
| 3. Dr. G. N. Chakravarti. | |
| 4. Pt. Baldev Ram Dave. | 8. B. Durga Prasad. |
| 5. Pt. Iqbal Narayan Gurtu. | 9. B. Ghanashyam Das Birla. |

Elected on 20th January, 1924.

- | | |
|---|--------------------------------|
| 10. M. M. Pt. Pramathanatha Tarkabhusana. | 13. Pandit Ramakanta Malaviya. |
| 11. Hon. Justice Kanhaiyalal. | 14. Prof. Syama Charan De. |
| 12. B. Govinda Das. | 15. B. Guru Prasad Dhavan. |

Elected on 20th December, 1924.

- | | |
|------------------------------|----------------------------|
| 16. The Hon. Raja Motichand. | 18. Mr. C. Y. Chintamani. |
| 17. Professor P. Seshadri. | 19. Sir Tej Bahadur Sapru. |
| | 20. Munshi Mahadeva Prasad |

* Elected for the residue of the term of Sir Ashutosh Chowdhuri deceased who was elected on 14th December, 1921.

(B) MEMBERS ELECTED BY THE SENATE.

Elected on 5th December, 1922.

21. Principal Charles A. King. | 22. Prof. P. K. Dutt.

Elected on 12th October, 1923.

23. Prof. P. K. Telang.

[STATUTE 17, SUB-SECTION 2].

Elected on 30th November, 1922.

24. Sir Sivaswamy Aiyer.

Elected on 20th January, 1924.

25. Mr. Devi Prasad Khaitan. | 26. B. Ganesh Datta Singh.†

Elected on 20th December, 1924.

27. Sir Devaprasad Sarva- | 28. Prof. V. G. Kale.
-
- dhikari.

Elected on 29th January, 1925.

29. Prof. M. B. Rane. | 30. Prof. P. B. Adhikari.

THE SENATE.

[Statute 19, Sub-Section 1].

Class I.—Ex-officio Members.

(Clause (a) :

The Chancellor.

The Vice-Chancellor.

The Pro-Chancellor.

The Pro-Vice-Chancellor.

†Elected for the residue of the term of the late Raj Purnendu Narayan Sinha who was elected on 30th November, 1922.

Clause (b) : —

1. Principal A. B. Dhruva, M.A., LL.B., Central Hindu College, Benares, (*Sanskrit*), (6-10-19).
2. Dr. Sir P. C. Roy, Kt., C.I.E., D.Sc., Ph.D., 72, Upper Circular Road, Calcutta, (*Chemistry*), (4-11-17).
3. Prof. N. C. Nag, M.A., F.I.C., Bose Institute, Calcutta, (*Chemistry*), (12-4-19).
4. Dr. Nilratan Dhar, M.A., D.Sc., Allahabad University, Allahabad, (*Chemistry*), (with effect from 27-11-23).*
5. Dr. C. V. Raman, M.A., D.Sc., College of Science, Calcutta, (*Physics*), (with effect from 12-2-23).
6. Prof. Bertram Keightley, M.A., Bar-at-Law, C/o. Dr. Gyanendranath Chakravarti, Vice-Chancellor, Lucknow University, Lucknow, (*Philosophy*), (with effect from 12-2-23).*
7. Prof. V. G. Kale, M.A., Fergusson College, Poona, (*Economics*), (with effect from 27-11-23).*
8. Prof. P. K. Telang, M.A., LL.B., Theosophical Society, Benares, (*History*), (25-2-22).
9. Dr. S. S. Bhatnagar, M.Sc., D.Sc., Central Hindu College, Benares, (*Chemistry*), (26-9-21).†
10. Prof. R. S. Inamdar, B.Ag., (Bom.), B.Sc., (Cantab.), Central Hindu College, Benares, (*Biology*), (2-5-20).
11. Prof. Haru Ram Mehra, Ph.D., Central Hindu College, Benares, (*Zoology*), (2-9-23).

*Appointed Honorary University Professor for a period of two years.

†Appointed Honorary University Professor of Chemistry on 9th August, 1924, for a period of two years with effect from the date on which he made over charge.

12. Captain Charles A. King, B.Sc., (Hons. Eng. London), A.R.C.Sc., M.I.M.E., M.I.S.E., M.I.M., M.I.E., (Ind.) M. Auto. Asso. of Bengal, F.C.U., Principal, Engineering College, Benares, (*Mechanical Engineering*), (13-8-18).
13. Prof. N. P. Gandhi, M.A., B.Sc., A.R.S.M., A.I.M.M., F.G.S., Benares Hindu University, Benares, (*Mining and Metallurgy*), (6-10-19). (9-8-20).
14. Prof. Krishna Kumar Mathur, B.Sc., A.R.S.M., Central Hindu College, Benares, (*Geology*), (9-8-20).
15. Mr. L. D. Coueslant, B.Sc., Engineering College, Benares Hindu University, Benares, (*Mechanical Engineering*), (9-1-21).
16. Sir Tej Bahadur Sapru, M.A., LL.D., K.C.S.I., 14, Albert Road, Allahabad, (Law) (11-11-24). (For two years).

Clause (c) :—

1. Pandit A. B. Dhruva, *Principal, Central Hindu College.*
 2. Captain Charles A. King, B.Sc., A.R.C.Sc., etc., *Principal, Engineering College.*
 3. Mahamahopadhyaya Pandit Pramathanatha Tarkabhushana, *Principal, College of Oriental Learning.*
 4. Pandit Chandramauli Sukul, M.A., I.T., *Principal, Teachers' Training College.*
 5. Mahamahopadhyaya Pandit Prabhudatta Sastri, *Principal, College of Theology.*
-

Class II.—Elected Members.

N. B.—The elected members hold office for five years.

Clause (a):—

1. The Hon'ble Maharaja Sir Kameshwar Singh Bahadur, G.C.I.E., of Darbhanga, (20. 12. 24).
2. Dr. Annie Besant (11. 12. 20).
3. Dr. G. N. Chakravarti (20. 1. 24).
4. Babu Govinda Das (30. 11. 22).
5. Rai Bahadur Pandit Baldeva Ram Dave (14. 12. 21).

Clause (b):—

(VACANT).

Clause (c):

1. Mahamahopadhyaya Pandit Hara Narayana Sastri, Vidya-Sagara, Hindu College, Delhi (31. 10. 22).
2. Kaviraj Umacharana Bhattacharya, Dasaswamedhghat, Benares (3. 11. 20).
3. Mr. Kashi Prasad Jayaswal, M.A., Bar-at-Law, Exhibition Road, Patna (28. 10. 21).
4. Pandit Ambadasa Sastri, College of Oriental Learning, Benares (12. 10. 23).
5. Pandit Radha Prasad, Sastri, College of Oriental Learning, Benares Hindu University, Benares (12. 11. 24.)

Clause (d):—

Elected on 12th October, 1923.

- | | |
|------------------------------|----------------------------------|
| 1. Professor P. K. Dutt. | 6. Prof. Phuldeo Sahay Varma |
| 2. Professor P. Seshadri. | 7. Prof. Indradev Tiwari. |
| 3. Professor M. B. Rane. | 8. Prof. Bhim Chandra Chatterji. |
| 4. Professor P. B. Adhikari. | |
| 5. Dr. Nihal Karan Sethi. | 9. Prof. Gurmukh N. Singh. |

Elected on 26th March 1924.

10. Professor R. S. Jain (For the residue of the term of Prof. H. L. Chablani, elected on 12th October 1923).

Clause (e):—

1. Professor Nilkamal Bhattacharya, M. A., Central Hindu College, Benares (28. 10. 21).
2. Pandit Gopinatha Kaviraj, M. A., Saraswati Bhavan, Benares (28. 10. 21).
3. Professor Syam Sundar Das, B. A., Central Hindu College, Benares (8. 11. 22).
4. Professor Syama Charan De, M. A., Registrar, Benares Hindu University, Benares (12. 10. 23).
5. Professor D. N. Sen, B.A., (Cantab) Central Hindu College Benares, (12.11.24.)

Class III—Nominated Members.

N. B.—Nominated members hold office for five years.

1. The Hon'ble Sir C. F. de la Fosse, Kt., M. A., D. Litt., C. I. E., (15. 1. 20).
2. Mr. G. Clarke, F. I. C., F. C. S., Offg. Director of Agriculture U. P., Cawnpore (3. 3. 21).
3. Mr. H. Burkinshaw, 8, Chowringhee Mansions, Calcutta, (21. 8. 21).
4. Mr. S. G. Elton of the firm of Messrs. Worthington, Simpson Ltd., Calcutta (21. 8. 21).
5. Mr. Arthur Devon, M. Sc., M. I. M. E., M. Inst., T. M. I. E., (India), Loco Superintendent, East Indian Railway, Jamalpur (26. 3. 23).*

* Appointed with effect from the 1st April, 1923, for the residue of the term of Mr. W. J. Tones resigned who was nominated with effect from 26th December, 1922.

THE SYNDICATE.

[STATUTE 21 SUB-SECTION (1).]

Note—The elected members of the Syndicate hold office for three years.

Ex-Officio Members.

1. The Vice-Chancellor. | 2. The Pro-Vice-Chancellor.

Elected Members.

Elected on 31st October, 1922.

- | | |
|------------------------------|----------------------------|
| 1. Professor P. Seshadri. | 4. Professor N. P. Gandhi. |
| 2. Professor P. B. Adhikari. | 5. Prof. Gurmukh N. Singh. |
| 3. Professor M. B. Rane. | |

Elected on 12th October, 1923.

- | | |
|----------------------------|---------------------------|
| 6. Dr. G. N. Chakravarti. | 9. Prof. R. S. Inamdar. |
| 7. Professor P. K. Telang. | 10. Professor P. K. Dutt. |
| 8. Prof. Charles A. King. | |

Elected on 29th January, 1925.

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|--|
| 11. Mahamahopadhyaya Pt. 13. Prof, L. D. Couselant |
| Pramathanatha Tarkabhu- 14. Dr. H. R. Mehra. |
| sana. \| 15. Prof. D. N. Sen. |
| 12. Prof. K. K. Mathur. \| |
-

17. Professor Krishnanandan Prasad, M.A., Bar-at-Law, Central Hindu College, Benares.
18. Professor Gyanchand, M.A., Central Hindu College, Benares.
19. Professor K. C. Chatterji, M.A., Central Hindu College, Benares.
20. Pandit Ramachandra Shukla, Central Hindu College, Benares.
21. Professor P. Subramaniam, M.A., Teachers' Training College, Benares.
22. Professor S. G. Dunn, M.A., Allahabad University, Allahabad.
23. Professor M. M. Desai, M.A., Central Hindu College, Benares.
24. Professor Baldev Upadhyaya, M.A., Central Hindu College, Benares.
25. Pandit Ram Narain Misra, B.A., Head-Master, Central Hindu School, Benares.
26. Mahamahopadhyaya Pandit Padma Nath Bhattacharya, 179, Agastakunda, Benares.
27. Professor Kashī Nath Das, Ravenshaw College, Cuttack.
28. Professor S. P. Bhargava, M.A., LL.B., Principal, S. D. College of Commerce, Cawnpore.
29. Dr. V. S. Kam, M.A., Ph.D., Lucknow University, Lucknow.
30. Professor Shukdeva Pande, M.Sc., Central Hindu College, Benares.

THE FACULTY OF SCIENCE.

Dean:

Principal Charles A. King, B.Sc., A.R.C.Sc., (11. 11. 24).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th November, 1924.

- | | |
|------------------------------------|----------------------------|
| 1. The Chancellor. | 15. Prof. Charles A. King. |
| 2. The Pro-Chancellor. | 16. Prof. R. S. Inamdar. |
| 3. Pandit Madan Mohan
Malaviya. | 17. Prof. L. D. Coueslant. |
| 4. Dr. Sir P. C. Roy. | 18. Prof. K. K. Mathur. |
| 5. Dr. Annie Besant. | 19. Prof. N. P. Gandhi. |
| 6. Dr. G. N. Chakravarti. | 20. Prof. Syama Charan De. |
| 7. Dr. C. V. Raman. | 21. Prof. P. K. Dutt. |
| 8. Dr. Nilratan Dhar. | 22. Prof. M. B. Rane. |
| 9. Dr. S. S. Bhatnagar. | 23. Prof. P. S. Varma. |
| 10. Prof. D. N. Sen. | 24. Prof. B. C. Chatterji. |
| 11. Dr. N. K. Sethi. | 25. Mr. G. Clarke. |
| 12. Dr. H. R. Mehra. | 26. Mr. H. Burkinshaw. |
| 13. Prof. N. C. Nag. | 27. Mr. Arthur Devon. |
| 14. Prof. Bertram Keightley. | 28. Prof. R. S. Jain. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 14th November, 1924.

1. Dr. R. C. Roy, D.Sc., Patna College, Patna.
2. Dr. S. K. Basu, M.Sc., Ph.D., Central Hindu College, Benares.
3. Dr. Birbal Sahni, D.Sc., Lucknow University, Lucknow.
4. Dr. Karam Narain Bahl, M.A., D.Sc., D. Phil, Lucknow University; Lucknow.

5. Dr. K. C. Pandya M.A., Ph.D.,
6. Dr. Wali Mohammad, M.A., Ph.D., Lucknow University, Lucknow.
7. Dr. S. P. Agharkar, M.A., Ph.D., F.L.S., Professor of Botany, College of Science, Calcutta.
8. Mr. D. Penman, B.Sc., M.I., M.E.R., Offg. Chief Inspector of Mines, Dhanbad, Manbhum.
9. Mr. W. Saunders B.Sc., (London) Director, Tata Technical Institute, Jamshedpur.
10. Professor Nānd Kumar Tewari, M.Sc., Central Hindu College, Benares.
11. Professor Shukdeva Pande, M.Sc., Central Hindu College, Benares.
12. Professor Sricharan Varma, M.Sc., Allahabad University, Allahabad.
13. Professor S. P. Prasad, B.A., B.Sc., Agra College, Agra.
14. Professor U. A. Asrani, M.Sc., Central Hindu College, Benares.
15. Professor Y. Bharādhwaja, M.Sc., Central Hindu College, Benares.
16. Professor Sohanlal, M.Sc., Engineering College, Benares.
17. Professor H. K. Sen, Department of Mining and Metallurgy, Benares Hindu University, Benares.
18. Professor Lakshmi Narayan, M.A., Lucknow University, Lucknow.
19. Mr. D. N. Wadia, M.A., Geological Survey of India, Calcutta.

20. Mr. Lakshmi Prasad Mathur, M.Sc., St. John's College Agra.
21. Mr. P. C. Speers, Professor of Industrial Chemistry, Foreman Christian College, Lahore.
22. Professor A. C. Banerjee, Allahabad University, Allahabad.
23. Professor H. C. Das Gupta, Presidency College, Calcutta.
24. Professor Chhittarmal Sogani, M.Sc., Central Hindu College, Benares.
25. Professor Chandrabal, M.Sc., Central Hindu College, Benares.
26. Professor Dogar Singh, Central Hindu College, Benares
27. Mr. Puran Singh.
28. Professor Khushi Ram Mehta, M.Sc., Central Hindu College, Benares.

THE FACULTY OF ORIENTAL LEARNING.

Dean:

Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana.
(13. 11. 24).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2).

Assigned on 12th November, 1924.

- | | |
|---------------------------------|------------------------------|
| 1. The Chancellor. | 4. Prof. Syama Charan De. |
| 2. Pandit Madan Mohan Malaviya. | 5. Professor P. Seshadri. |
| 3. Principal A. B. Dhruva. | 6. Professor M. B. Rane. |
| | 7. Professor P. B. Adhikari. |

- | | |
|---|---------------------------------------|
| 8. The Hon'ble Maharaja Sir Rameshwar Singh Bahadur of Darbhanga. | 18. Professor P. K. Datta. |
| 9. Babu Govinda Das. | 19. Professor Nilkamal Bhat-tacharya. |
| 10. Professor P. K. Telang. | 20. Dr. H. R. Mehra. |
| 11. M. M. Pandit Prabhudatta Sastri. | 21. Mr. Kashi Prasad Jayas-wal. |
| 12. Pt. Radha Prasad Sastri. | 22. Prof. Shyam Sundar Das. |
| 13. M. M. Pandit Hara Narayana Sastri. | 23. Prof. Chandra Mauli Sukul. |
| 14. M. M. Pandit Pramatha-natha Tarkabhusana. | 24. Professor P. S. Varma. |
| 15. Pandit Ambadasa Sastri. | 25. Dr. N. K. Sethi. |
| 16. Pt. Gopi Nath Kaviraj. | 26. Prof. Indradev Tewari. |
| 17. Kaviraj Umacharana Bhattacharya. | 27. Prof. B. C. Chatterji. |
| | 28. Prof. R. S. Inandar. |

(B)⁷ MEMBERS CO-OPTED BY THE FACULTY UNDER
REGULATION 12 OF CHAPTER III.

Co-opted on 13th November, 1924.

1. Mahamahopadhyaya Pandit Hathibhai Harisankara Sastri Jamnagar, Kathiawar.
2. Mahamahopadhyaya Pandit Vamacharana Nyayacharya, Jangambari, Benares.
3. Pandit Muralidhara Jha, Queen's College, Benares.
4. Pandit Ramayatna Ojha, College of Oriental Learning, Benares Hindu University, Benares.
5. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares Hindu University, Benares.
6. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, College of Oriental Learning, Benares Hindu University, Benares.
7. Pandit Balkrishna Misra, College of Oriental Learning, Benares Hindu University, Benares.

8. Pandit Giridhara Sarma Chaturvedi, Sanatanadharma Samskrit College, Lahore.
9. Pandit Harihar Swarup Sastri, B.A., Vidyabhusana, Rishi Bhavan, Brandeth Road, Lahore.
10. Pandit Kashi Rama, M.A., Inspector of Samskrit Pathshalas, U. P., Benares.
11. Kaviraj Dharmadasa, Dasaswamedh Ghat, Benares.
12. Pandit Viresvara Sastri Dravida, Senior Professor of Samskrit, Maharaja's College, Jaipur.
13. Pandit Vidyadhara Gouda, College of Theology, Benares Hindu University, Benares.
14. Pandit A. Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University, Benares.
15. Pandit Tryambaka Sastri, Bibihatia, Benares.
16. Pandit Ananta Rama Sastri, Ranavira Samskrit Pathashala, Benares.
17. Pandit Chandradhara Sastri Sharma, College of Oriental Learning, Benares Hindu University, Benares.
18. Pandit Kali Prasad Misra, College of Oriental Learning, Benares Hindu University, Benares.
19. Pandit Vamadevaji, College of Oriental Learning, Benares Hindu University, Benares.
20. Pandit Ambika Prasad Upadhyaya, College of Oriental Learning, Benares Hindu University, Benares.
21. Pandit Baldev Pathak, College of Oriental Learning, Benares Hindu University, Benares.
22. Pandit Gulab Jha.
23. Dr. M S. Verma, M. B., B. S., Medical Officer, Benares Hindu University, Benares.

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24. Kaviraj Jamini Bhusan Roy, M. A., M. B., M. R. A. S.,
46 and 46/1, Beadon Street, Calcutta.
25. Kaviraj Shyama Das Vachaspati, 40, Grey Street, Calcutta.
26. Pandit Markandeya Misra, Mirghat, Benares.
27. Pandit Deokinandana Misra, Principal, Tikmani Pathsala,
Benares City.

THE FACULTY OF THEOLOGY.

Dean:

M. M. PANDIT PRABHUDATTA SASTRI (13. 11. 24).

Members:

(A) MEMBERS ASSIGNED BY THE SENATE UNDER
STATUTE 23 (2)

Assigned on 12th November, 1924.

- | | |
|---|--------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 9. Babu Govinda Das. |
| 2. Principal A. B. Dhruva. | 10. Kaviraj Umacharana Bhattacharya. |
| 3. The Hon'ble Maharaja Sir Rameshwar Singh Bahadur of Darbhanga. | 11. Prof. Nilkamal Bhattacharya. |
| 4. Mahamahopadhyaya Pt. Pramathanatha Tarkabhusana. | 12. Pt. Gopi Nath Kaviraj. |
| 5. Mahamahopadhyaya Hara Narayana Sastri. | 13. Professor P. Seshadri. |
| 6. Mahamahopadhyaya Pt. Prabhudatta Sastri. | 14. Professor P. B. Adhikari. |
| 7. Pt. Radha Prasada Sastri. | 15. Mr. Kashi Prasad Jayaswal. |
| 8. Pandit Ambadasa Sastri. | 16. Pandit Indradev Tewari. |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER REGULATION 12 OF CHAPTER III.

Co-opted on 13th November, 1924.

1. Mahamahopadhyaya Pandit Jayadeva Misra, College of Oriental Learning, Benares.
2. Mahamahopadhyaya Pandit Durga Prasada Dvivedi, Government Sanskrit College, Jaipur.
3. Pandit Ramayatra Ojha, College of Oriental Learning, Benares.
4. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani, College of Oriental Learning, Benares.
5. Pandit Chinnaswami Sastri, College of Oriental Learning, Benares Hindu University.
6. Pandit Anantarama Sastri, Ranavira Sanskrit Pathshala, Benares.
7. Pandit Kashi Rama M. A., Inspector of Sanskrit Pathshalas, U. P., Benares.
8. Pandit Viresvara Sastri Dravida, Senior Professor of Sanskrit, Maharaja's College, Jaipur.
9. Pandit Giridhara Sarma Chaturvedi, Sanatana Dharma Sanskrit College, Lahore.
10. Pandit Vidyadhara Gouda, College of Oriental Learning, Benares.
11. Pandit Hari Rama Pandeya, B. A., LL.B., Religious Instructor, Benares Hindu University, Benares.
12. Pandit P. N. Patankar M.A., Central Hindu College Benares.
13. Pandit Chandradhara Sastri, College of Oriental Learning, Benares Hindu University, Benares.

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14. Pandit Ajab Lal Jha, College of Oriental Learning.
15. Pandit Balkrishna
16. Pandit Harihar Sastri, Central Hindu College, Benares.

THE FACULTY OF LAW.

Dean :

Dr. Sir Tej Bahadur Sapru (15. 11. 24).

Members :

(A) MEMBERS ASSIGNED BY THE SENATE UNDER STATUTE 23 (2).

Assigned on 12th November, 1924.

- | | |
|---------------------------------|-----------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 7. Prof. Bertram Keightley. |
| 2. Principal A. B. Dhruva. | 8. Babu Govinda Das. |
| 3. Dr. G. N. Chakravarti. | 9. Prof. P. K. Telang. |
| 4. Dr. Sir Tej Bahadur Sapru | 10. Mr. Kashi Prasad Jayaswal. |
| 5. Pt. Baldev Ram Dave. | 11. Prof. Bhim Chandra Chatterji. |
| 6. Prof. Gurmukh N. Singh. | |

(B) MEMBERS CO-OPTED BY THE FACULTY UNDER REGULATION 12 OF CHAPTER III.

Co-opted on 15th November, 1924.

1. Pandit Gokaran Nath Misra, M. A., LL. B., No. 7. Neill Road, Lucknow.
2. Dr. Waliullah, M.A., B.C.L., LL.D., Bar-at-Law, Allahabad.
3. The Hon'ble Mr. Justice Kanhaiyalal, M. A., LL. B., Rai Bahadur, Allahabad.
4. Dr. Kailash Nath Katju, M. A., LL. D., Allahabad.

5. Munshi Mahadeo Prasad, M. A., LL. B., Kalka Gali, Benares.
6. Pandit Brajnath Vyas, M.A., LL.B., Law College, Benares Hindu University, Benares.
7. Mr. Sankar Saran, Bar-at-Law, Allahabad.
8. Pandit Kashi Narain Malaviya, M.A., LL.B., Allahabad.
9. Mr. B. L. Subramaniam Sastri, M.A., M.L., Law College, Benares Hindu University, Benares.
10. Pandit Anandi Prasad Dube, B.A., B.C.L., (Oxon.), Bar-at-Law, Allahabad.
11. Pandit Prakash Narain Sapru, M.A., (Alld.), Bar-at-Law, Allahabad.

THE BOARDS OF STUDIES.

(A) THE BOARDS OF STUDIES IN THE FACULTY OF ARTS.

Appointed on 18th November, 1924.

ENGLISH (7)

- | | |
|---|-------------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Professor S. G. Dunn. |
| 2. Principal A. B. Dhruva. | 5. Professor Krishna Nandan Prasad, |
| 3. Prof. Bertram Keightley. | 6. Professor Jiwan Shanker Yajnik. |
| 7. Professor P. Seshadri (<i>Convener</i>). | |

PHILOSOPHY (7)

- | | |
|---|----------------------------------|
| 1. Principal A. B. Dhruva. | 4. Dr. S. K. Maitra. |
| 2. Professor Bertram Keightley. | 5. Prof. Indradev Tiwari. |
| 3. Babu Govinda Das. | 6. Prof. Anukul Chandra Mukerji, |
| 7. Professor P. B. Adhikari, (<i>Convener</i>). | |

HISTORY (7)

- | | |
|---------------------------------|------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Mr. K. P. Jayaswal. |
| 2. Principal A. B. Dhruva. | 5. Prof. G. P. Mehta. |
| 3. Dr. Tara Chand. | 6. Prof. S. N. Bhattacharya. |
7. Professor P. K. Telang, (*Convener*).

MATHEMATICS (7)

- | | |
|---------------------------|-----------------------------|
| 1. Dr. G. N. Chakravarti. | 4. Prof. Bertram Keightley. |
| 2. Dr. C. V. Raman. | 5. Professor D. N. Sen. |
| 3. Prof. S. D. Pande. | |
6. Professor Syama Charan De, (*Convener*).

ECONOMICS (7)

- | | |
|----------------------------|-------------------------------|
| 1. Professor P. K. Telang. | 4. Professor K. C. Chatterji. |
| 2. Professor V. G. Kale. | 5. Professor Gyan Chand. |
| 3. Dr. V. S. Ram. | 6. Dr. N. J. Shah. |
7. Professor Gurmukh N. Singh, (*Convener*).

SAMSKRIT AND PALI (7)

- | | |
|--------------------------------------|---|
| 1. Pandit Madan Mohan Malaviya. | 5. Mahamahopadhyaya Pt. Pramathanatha Tarkabhusana. |
| 2. Professor P. K. Telang. | |
| 3. Professor Nil Kāmal Bhattacharya. | 6. Pandit Kashi Rama. |
| 4. Mr. Kashi Prasad Jayaswal. | 7. Principal A. B. Dhruva, (<i>Convener</i>). |

ARABIC AND PERSIAN (7)

- | | |
|-----------------------------|---|
| 1. Pt. Iqbal Narayan Gurtu. | 4. Pandit Hriday Nath Kunzru. |
| 2. Maulvi Mohammad Hasan. | 5. Professor H. B. Malkani. |
| 3. Dr. Tara Chand. | 6. Professor Shyam Narain Lal, (<i>Convener</i>). |

HINDI (7)

- | | |
|---|------------------------------------|
| 1. Professor Chandra Mouli Sukul. | 4. Professor Jivan Shankar Yajnik. |
| 2. Pt. Ram Narayan Misra. | 5. Mr. Kashi Pd. Jayaswal. |
| 3. Prof. Ganga Pd. Mehta. | 6. Pt. Ramachandra Shukla. |
| 7. Professor Shyam Sundar Das, (<i>Convener</i>). | |

URDU (7)

- | | |
|---|--------------------------------|
| 1. Pt. Ram Narain Misra. | 4. Pandit Iqbal Narayan Gurtu. |
| 2. Maulvi Mohammad Hasan. | 5. Professor H. B. Malkani. |
| 3. Pt. Hirday Nath Kunzru. | 6. Dr. S. S. Bhatnagar. |
| 7. Professor Shyam Narain Lal, (<i>Convener</i>). | |

BENGALI (7)

- | | |
|--|--|
| 1. Professor P. B. Adhikari. | 4. M. M. Pandit Pramatia natha Tarkabhusana. |
| 2. Professor Anukul Chandra Mukerji. | 5. Professor Surendra Nath Bhattacharya. |
| 3. Professor Syama Charan De. | 6. Dr. S. K. Maitra. |
| 7. Professor Nilkamal Bhattacharya, (<i>Convener</i>). | |

PARBATIA (3)

- | | |
|------------------------------------|---|
| 1. Pandit Ambika Prasad Upadhyaya. | 2. Professor P. B. Adhikari, (<i>Convener</i>). |
|------------------------------------|---|

SINDHI (7)

- | | |
|----------------------------|--|
| 1. Professor Gyanchand. | 3. Professor H. B. Malkani, (<i>Convener</i>). |
| 2. Prof. Gurmukh N. Singh. | |

MARATHI AND GUJARATI (7)

- | | |
|--|----------------------------|
| 1. Principal A. B. Dhruva. | 4. Professor J. S. Yajnik. |
| 2. Professor P. K. Telang. | 5. Dr. N. J. Shah. |
| 3. Professor M. B. Rane. | 6. Professor M. M. Desai. |
| 7. Professor G. P. Mehta, (<i>Convener</i>). | |

TAMIL AND TELUGU (7)

- | | |
|--|--------------------------|
| 1. Prof. P. Subramaniam. | 3. Pandit A. Chinnaswami |
| 2. Dr. C. V. Raman. | Sastri. |
| 4. Professor P. Seshadri, (<i>Convener</i>). | |

ASSAMESE (3)

- | | |
|---|-----------------------------|
| 1. M. M. Pandit Padma | 2. Professor Nilkamal Bhat- |
| Nath Bhattacharya. | tacharya. |
| 3. Professor P. B. Adhikari, (<i>Convener</i>). | |

KANARESE AND MALAYALAM (3)

- | | |
|--|-----------------------------|
| 1. Professor R. S. Inamdar. | 2. Professor P. Subramaniam |
| 3. Professor P. Seshadri, (<i>Convener</i>). | |

TEACHING (7)

- | | |
|--|-----------------------------|
| 1. Professor P. Seshadri. | 4. Professor A. B. Dhruva. |
| 2. Pandit Ram Narayan | 5. Pandit Iqbal Narayan |
| Misra. | Gurtu. |
| 3. Professor P. K. Telang. | 6. Professor H. B. Malkani. |
| 7. Professor Chandra Mauli Sukul, (<i>Convener</i>). | |

MODERN EUROPEAN LANGUAGES (7)

- | | |
|--|-----------------------------|
| 1. Professor Bertram | 3. Professor R. S. Inamdar. |
| Keightley. | 4. Dr. S. K. Maitra. |
| 2. Dr. S. S. Bhatnagar. | |
| 5. Professor M. M. Desai, (<i>Convener</i>). | |

COMMERCE (5)

- | | |
|---|----------------------------|
| 1. Professor S. P. Bhargava. | 3. Professor P. K. Telang. |
| 2. Dr. N. J. Shah. | 4. Professor Gyan Chand. |
| 5. Professor Gurmukh N. Singh, (<i>Convener</i>). | |

ORIYA ()

- | | |
|---|-------------------------|
| 1. Professor Syama Charan | 2. Professor Kashi Nath |
| De. | Das. |
| 3. Professor Phani Bhushan Adhikari, (<i>Convener</i>). | |

PUNJABI (3)

- | | |
|-----------------------------|----------------------------|
| 1. Professor Gyan Chand. | 3. Prof: Gurmukh N. Singh, |
| 2. Professor H. B. Malkani. | (Convener). |

(B) THE BOARDS OF STUDIES IN THE FACULTY OF SCIENCE.
(Appointed on 14th November, 1924.)

CHEMISTRY (7)

- | | |
|---------------------------------------|--------------------------|
| 1. Professor Phuldeo Sahaya
Varma. | 5. Dr. K. C. Pandya. |
| 2. Professor R. C. Roy. | 6. Dr. S. S. Bhatnagar, |
| 3. Dr. Nilratan Dhar. | 7. Professor M. B. Rane, |
| 4. Dr. S. K. Basu. | (Convener.) |

PHYSICS (7)

- | | |
|--------------------------------------|----------------------------|
| 1. Professor U. A. Asrani. | 4. Professor S. P. Prasad. |
| 2. Dr. C. V. Raman. | 5. Dr. Wali Mohammad. |
| 3. Dr. N. K. Sethi. | 6. Professor C. M. Sogan. |
| 7. Professor P. K. Dutt, (Convener). | |

MATHEMATICS (7)

- | | |
|---|-----------------------------|
| 1. Dr. N. K. Sethi. | 4. Professor Sohanlal. |
| 2. Professor Shukdeo Pande. | 5. Professor A. C. Banerji. |
| 3. Professor Lakshmi Narayan | 6. Professor D. N. Sen. |
| 7. Professor Syama Charan De, (Convener.) | |

ZOOLOGY (7)

- | | |
|----------------------------------|---------------------------|
| 1. Professor Chandrabal. | 4. Professor S. C. Varma. |
| 2. Dr. Karam Narain Bahl. | 5. Dr. H. R. Mehra, |
| 3. Mr. Lakshmi Prasad
Mathur. | (Convener.) |

BOTANY (7)

- | | |
|--|-----------------------------------|
| 1. Professor R. S. Inamdar. | 5. Professor Khushi Ram
Mehta. |
| 2. Dr. S. S. Bhatnagar. | |
| 3. Dr. S. P. Agharkar. | 6. Professor Y. Bharadwaja. |
| 4. Dr. Birbal Sahni. | |
| 7. Professor N. K. Tiwari, (Convener). | |

GEOLOGY AND MINERALOGY (7)

- | | |
|-------------------------------|------------------------------|
| 1. Principal Charles A. King. | 4. Mr. H. K. Sen. |
| 2. Professor P. K. Dutt. | 5. Professor N. P. Gandhi. |
| 3. Mr. D. N. Wadia. | 6. Professor H. C. Das Gupta |
7. Professor K. K. Mathur, (*Convener*).

ENGINEERING (9)

- | | |
|--------------------------------------|--------------------------|
| 1. Professor Bhim Chandra Chatterji. | 5. Mr. H. Burkinshaw. |
| 2. Professor N. P. Gandhi. | 6. Professor Sohanlal. |
| 3. Professor R. S. Jain. | 7. Professor P. K. Dutt. |
| 4. Professor L. D. Coueslant. | 8. Professor H. K. Sen. |
9. Principal Charles A. King (*Convener*).

INDUSTRIAL CHEMISTRY (7)

- | | |
|-------------------------------|--------------------------|
| 1. Principal Charles A. King. | 4. Professor M. B. Rane. |
| 2. Professor N. P. Gandhi. | 5. Mr. Dogar Singh. |
| 3. Professor P. C. Speers. | 6. Mr. Puran Singh, |
7. Professor P. S. Varma, (*Convener*).

MINING AND METALLURGY (7).

- | | |
|-------------------------------|----------------------------|
| 1. Principal Charles A. King. | 4. Mr. W. Saunders. |
| 2. Mr. D. Penman. | 5. Professor K. K. Mathur. |
| 3. Professor L. D. Coueslant. | 6. Professor H. K. Sen. |
7. Professor N. P. Gandhi, (*Convener*).

(C) THE BOARDS OF STUDIES IN THE FACULTY OF
ORIENTAL LEARNING.

Appointed on 13th November, 1924.

VEDA SRAUTA (5)

- | | |
|-----------------------------|----------------------------|
| 1. Mahamahopadhyaya | 3. Pandit Ambadasa Sastri. |
| Pandit Pramathanatha. | 4. Pandit Chinnaswami Sas- |
| 2. Pandit Vidyadhara Gouda. | tri. |
5. Pandit Prabhudatta Sastri, (*Convener*).

DHARMAŚĀSTRA-ĀGAMA (5)

- | | |
|--|---|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Pandit Prabhudatta Sas-
tri. |
| 2. Mahamahopadhyaya
Pandit Hara Narayana
Sastri. | 4. Mahamahopadhyaya
Pandit Annada Charana
Tarkachudamani. |
5. Pandit Radha Prasada Sastri, (*Convener*).

PŪRVA MIMĀMSĀ (5)

- | | |
|---|---|
| Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Mahamahopadhyaya Pan-
dit Annada Charana
Tarkachudamani. |
| 2. Pandit Prabhudatta Sas-
tri. | 4. Pandit Viresvara Sastri
Dravida. |
5. Pandit Chinnaśwami Sastri, (*Convener*).

VEDĀNTA (5)

- | | |
|---|-----------------------------|
| Mahamahopadhyaya
Pandit Jayadeva Misra | 3. Pandit Ambadāsa Sastri. |
| 2. Principal A. B. Dhruva. | 4. Pandit Balkrishna Misra. |
5. M. M. Pandit Pramathanatha Tarkabhusana, (*Convener*).

SĀNKHYA-YOGA (5)

- | | |
|--|---------------------------------------|
| 1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana. | 3. Pandit Ambadāsa Sastri. |
| 2. Pandit Anantarama Sastri | 4. Professor Phanibhusan
Adhikari. |
5. Mahamahopadhyaya Pandit Annada Charana
Tarkachudamani, (*Convener*).

NYĀYA VĀISESIKA (5)

- | | |
|--|--|
| 1. Principal A. B. Dhruva. | 3. M. M. Pandit Pramatha-
natha Tarkabhusana. |
| 2. Mahamahopadhyaya
Pandit Vama Charana
Nyayacharya. | 4. Pandit Balkrishna Misra. |
5. Pandit Ambadāsa Sastri, (*Convener*).

VYAKARANA (5)

- | | |
|---|------------------------------|
| 1. Pandit Chandradhara Sarma. | 3. Pandit Anantarama Sastri. |
| 2. Pt. Markandeya Misra. | 4. Pandit Kali Prasad Misra. |
| 5. Mahamahopadhyaya Pandit Jayadeva Misra, (<i>Convener</i>). | |

KAVYA SAHITYA (5)

- | | |
|--|----------------------------|
| 1. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana. | 2. Pandit Harihara Sastri. |
| | 3. Pandit Vamadeva Misra. |
| | 4. Principal A. B. Dhruva. |
| 5. Pandit Chandradhara Sastri, (<i>Convener</i>). | |

JYAUTISA (5)

- | | |
|----------------------------------|--|
| 1. Pandit Muralidhara Jha. | 3. Prof. Syama Charan De. |
| 2. M. M. Pt. Prabhudatta Sastri. | 4. Pandit Baldeva Pathaka. |
| | 5. Pandit Ramayatna Ojha, (<i>Convener</i>). |

VAIDYAKA (7)

- | | |
|---|--------------------------------------|
| 1. Kaviraj Jamini Bhusan Roy. | 4. Kaviraj Shamadas Vachaspati. |
| 2. Kaviraj Uma Charana Bhattacharya. | 5. Dr. Mukund S. Varma. |
| 3. Pandit Tryambaka Sastri. | 6. Professor Bhim Chandra Chatterji. |
| 7. Kaviraj Dharmadasa, (<i>Convener</i>). | |

PALI AND PRAKRITA (5)

- | | |
|-------------------------------|---|
| 1. Pandit Gopinath Kaviraj. | 4. M. M. Pandit Pramathanatha Tarkabhusana. |
| 2. Pandit Ambika Prasada. | |
| 3. Mr. Kashi Prasad Jayaswal. | 5. Principal A. B. Dhruva, (<i>Convener</i>). |

PURANA AND ITIHASA (5)

- | | |
|---|--|
| 1. Pandit Devakinandana Misra. | 4. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani. |
| 2. Pandit Giridhara Sarma Chaturvedi. | 5. Pandit Radha Prasada Sastri, (<i>Convener</i>). |
| 3. M. M. Pandit Pramathanatha Tarkabhusana. | |

HINDI (7)

- | | |
|---------------------------------|-----------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Mr. Kashi Prasad Jayaswal. |
| 2. Prof. Syamsundardas. | 5. Pandit Harihar Swaroop Sastri. |
| 3. Pandit Chandramauli Sukul. | 6. Pandit Giridhara Sarma. |
7. Pandit Kashi Rama, (*Convener*).

CHEMISTRY (7)

- | | |
|---|--|
| 1. Mahamahopadhyaya Kaviraj Jaminibhusan Roy. | 3. Kaviraj Dharmadasa. |
| 2. Kaviraj Uma Charana Bhattacharya. | 4. Professor P. K. Dutt. |
| | 5. Professor M. B. Rane. |
| | 6. Professor Phuldeo Sahai Varma, (<i>Convener</i>). |

PHYSICS (5)

- | | |
|--------------------------------------|--|
| 1. Kaviraj Uma Charana Bhattacharya. | 3. Professor M. B. Rane. |
| 2. Kaviraj Dharmadasa. | 4. Professor P. K. Dutt, |
| | 5. Dr. N. K. Sethi, (<i>Convener</i>). |

BIOLOGY (5)

- | | |
|---|--|
| 1. Mahamahopadhyaya Kaviraj Jamini Bhushan Roy. | 3. Kaviraj Dharmadasa. |
| 2. Kaviraj Uma Charana Bhattacharya. | 4. Dr. H. R. Mehra. |
| | 5. Dr. Mukund S. Varma, (<i>Convener</i>). |

ENGLISH (3)

- | | |
|--------------------------------------|---------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor P. Seshadri, |
| 2. Professor Phani Bhushan Adhikari. | (<i>Convener</i>). |

PASCHATYA DARSANA (5)

- | | |
|----------------------------|------------------------------|
| 1. Principal A. B. Dhruva. | 3. Professor P. B. Adhikari, |
| 2. Prof. Indradeva Tiwari. | (<i>Convener</i>). |

GANITA (3)

- | | |
|---|----------------------------|
| 1. Pandit Ramayatra Ojha. | 2. Pandit Muralidhara Jha. |
| 3. Professor Syamacharan De, (<i>Convener</i>). | |

ITIHASA, ARTHASASTRA AND NITISASTRA (5)

- | | |
|---|-----------------------------|
| 1. Professor P. K. Telang. | 4. Pandit Gopinath Kaviraj. |
| 2. Mr. K. P. Jayaswal. | 5. Principal A. B. Dhruva, |
| 3. M. M. Pandit Pramathanatha Tarkabhusana. | (Convener). |

(D) THE BOARDS OF STUDIES IN THE FACULTY OF THEOLOGY.

(Appointed on 13th November, 1924).

KARMA KANDA (5)

- | | |
|---|--|
| 1. M. M. Pt. Prabhudatta ; | 3. Mahamahopadhyaya Pandit Annadacharana |
| 2. Pandit Ambadasa Sastri. | Tarkachudamani. |
| | 4. Pt. Radha Prasada Sastri |
| 5. Pandit Chinnaswami Sastri, (Convener). | |

VEDA SRAUTA (5)

- | | |
|---|----------------------------|
| 1. Pandit Vidyadhara Gauda | 3. Pandit Viresvara Sastri |
| 2. Pandit Radha Prasada Sastri. | Dravida. |
| | 4. Pandit Ambadasa Sastri. |
| 5. M. M. Pandit Prabhudatta Sastri, (Convener). | |

PURANA AND ITIHASA (5)

- | | |
|--|---|
| 1. Mahamahopadhyaya Pandit Hara Narayana Sastri. | 3. Pandit Ambadasa Sastri. |
| 2. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani. | 4. Pandit Hari Rama Pandeya. |
| | 5. Pandit Radha Prasada Sastri, (Convener). |

DHARMASTRA AND AGAMA (5)

- | | |
|--|--|
| 1. Mahamahopadhyaya Pandit Jayadeva Misra. | 3. M. M. Pandit Prabhudatta Sastri. |
| 2. Mahamahopadhyaya Pandit Pramathanatha Tarkabhusana. | 4. Mahamahopadhyaya Pandit Annadacharana Tarkachudamani. |
| 5. Pandit Radha Prasada Sastri, (Convener). | |

PURVA MIMAMSA (5)

- | | |
|---|---|
| <p>1. Mahamahopadhyaya
Pandit Pramathanatha
Tarkabhusana.</p> <p>2. Principal A. B. Dhruva.</p> | <p>3. Pandit Viresvara Sastri
Dravida.</p> <p>4. Pandit Radha Prasada
Sastri.</p> <p>5. Pandit Chinnaswami Sastri, (<i>Convener</i>).</p> |
|---|---|

VEDANTA (5)

- | | |
|---|---|
| <p>1. Mahamahopadhyaya Pan-
dit Jayadeva Misra.</p> <p>2. Pandit Ambadasa Sastri.</p> | <p>3. Pandit Balkrishna Misra.</p> <p>4. Principal A. B. Dhruva.</p> <p>5. Mahamahopadhyaya Pandit Pramathanatha
Tarkabhusana, (<i>Convener</i>).</p> |
|---|---|

NYAYA VAISESIKA (5)

- | | |
|---|---|
| <p>1. Principal A. B. Dhruva.</p> <p>2. Mahamahopadhyaya
Pandit Jayadeva
Misra.</p> | <p>3. Mahamahopadhyaya Pan-
dit Pramathanatha
Tarkabhusana.</p> <p>4. Pandit Balkrishna Misra,</p> <p>5. Pandit Ambadasa Sastri, (<i>Convener</i>).</p> |
|---|---|

SANKHYA YOGA (5)

- | | |
|--|--|
| <p>1. Principal A. B. Dhruva.</p> <p>2. M. M. Pandit Pramathanatha Tarkabhusana.</p> <p>3. Pandit Ambadasa Sastri.</p> <p>4. Pandit Anantarama Sastri.</p> | <p>5. Mahamahopadhyaya Pan-
dit Annadacharana
Tarkachudamani,
(<i>Convener</i>).</p> |
|--|--|

JYAUTISA (5)

- | | |
|--|--|
| <p>1. Mahamahopadhyaya
Pandit Durga Prasad
Dvivedi.</p> <p>2. Mahamahopadhyaya Pt.
Jayadeva Misra.</p> | <p>3. M. M. Pandit Prabhudatta
Sastri.</p> <p>4. Pandit Vidyadhara Gouda</p> <p>5. Pandit Ramayatna Ojha,
(<i>Convener</i>).</p> |
|--|--|

(E) THE BOARD OF STUDIES APPOINTED BY THE
FACULTY OF LAW.*(Appointed on 15th November, 1924).*

- | | |
|---|--------------------------------|
| 1. Pandit Madan Mohan Malaviya. | 4. Dr. Waliullah. |
| 2. Principal A. B. Dhruva. | 5. Pt. Kashi Narayan Malaviya. |
| 3. Hon'ble Mr. Justice Kanhaiyalal. | 6. Munshi Mahadev Prasad. |
| 7. Pandit Baldev Ram Dave, (<i>Convener</i>). | |

THE BOARDS OF EXAMINERS.

Note—The Boards of Examiners are appointed for two years.

(ARTS AND SCIENCE).

1. ENGLISH.*

Dr. G. N. Chakravarti.	|	Professor S. G. Dunn.
		Professor P. Seshadri, (<i>Convener</i>).

2. PHILOSOPHY.*

Principal A. B. Dhruva.	|	Professor Bertram Keightley.
		Professor P. B. Adhikari, (<i>Convener</i>).

3. HISTORY.*

Pandit Iqbal Narain Gurtu.	|	Dr. Tara Chand.
		Professor P. K. Telang, (<i>Convener</i>).

4. ECONOMICS.*

Pandit Madan Mohan Malaviya.	|	Professor P. K. Telang.
		Professor Gurmukh N. Singh, (<i>Convener</i>).

5. MATHEMATICS.*

Dr. C. V. Raman.	|	Professor Lakshmi Narayan.
		Professor Syaina Charan De, (<i>Convener</i>).

*Constituted on 18th February, 1924.

6. SAMSKRIT AND PALI.*

Professor P. K. Telang. | Prof. Nilkamal Bhattacharya.
Principal A. B. Dhruva, (*Convener*).

7. ARABIC AND PERSIAN. †

Professor Syam Narayan Lal. | Pt. Iqbal Narayan Gurtu.
Moulvi Mohammad Hasan, (*Convener*).

8. MODERN EUROPEAN LANGUAGES. ‡

Professor Bertram Keightley. | Professor R. S. Inamdar.
Professor L. D. Couselant, (*Convener*).

9. HINDI.*

Pandit Ram Narain Mista. | Pandit Kashi Rama.
Professor Shyam Sundar Das, (*Convener*).

10. URDU.*

Pandit Iqbal Narayan Gurtu. | Dr. S. S. Bhatnagar.
Professor Syam Narayan Lal, (*Convener*).

11. PARBATTIA.*

Pandit Ambika Prasad Upa- Mr. Marichiman Singh.
dhyaya.
Professor P. B. Adhikari, (*Convener*).

12. BENGALI. †

Professor Nil Kamal Bhatta- Professor Syama Charan
charya. De.
Professor P. B. Adhikari, (*Convener*).

13. ASSAMESE

Professor P. K. Dutt. | Professor Syama Charan De.
Professor P. B. Adhikari (*Convener*).

* Constituted on 18th February, 1924.

† Constituted on 20th January, 1925

‡ Constituted on 17th September, 1923.

14. MARATHI AND GUJRATI.*

Principal A. B. Dhruva. | Professor P. N. Patankar.
 Professor M. B. Rane, (*Convener*).

15. URIA.†

Professor Syama Charan De. | Prof. Kashi Nath Das.
 Professor P. B. Adhikari, (*Convener*).

16. TAMIL AND TELUGU.*

Pandit A. Chinnaswami | Dr. C. V. Raman.
 Sastri. |
 Professor P. Seshadri, (*Convener*).

17. KANARESE AND MALAYALAM.

Professor R. S. Inamidar. | Professor P. Subramaniam.
 Professor P. Seshadri, (*Convener*).

18. TEACHING.*

Dr. G. N. Chakravarti. | Professor P. Seshadri.
 Pandit Chandra Mauli Sukul (*Convener*).

19. DRAWING.*

Professor L. D. Couselant | Professor N. K. Tiwari.
 Principal Charles A. King (*Convener*).

20. MANUAL TRAINING.‡

Professor N. K. Tiwari. | Professor Bhim Chandra
 Chatterji.
 Principal Charles A. King (*Convener*)

* Constituted on 20th January, 1925.

† Constituted on 10th December, 1923.

‡ Constituted on 16th August, 1924.

§ Constituted on 18th February, 1924.

21. COMMERCE.*

Pandit Madan Mohan Mala- | Principal S. P. Bhargava.
viya.

Professor Gurmukh N. Singh, (*Convener*).

22. CIVICS.†

Principal A. B. Dhruva. | Professor Gurmukh Singh.
Professor P. K. Telang, (*Convener*).

23. ANCIENT INDIAN HISTORY AND CULTURE.‡

Mahamahopadhyaya Pandit | Professor P. K. Telang.
Pramathanatha Tarka-
bhutana.

Principal A. B. Dhruva, (*Convener*).

24. PHYSICS.*

Dr. C. V. Raman. | Dr. N. K. Sethi
Professor P. K. Dutt, (*Convener*).

25. CHEMISTRY.†

Dr. Sir P. C. Roy. | Dr. S. S. Bhatnagar.
Professor M. B. Rane (*Convener*).

26. BOTANY.‡

Dr. Birbal Sahni. | Professor N. K. Tiwari.
Professor R. S. Inamdar, (*Convener*).

27. ZOOLOGY.*

Prof. D. R. Bhattacharya. | Dr. Karam Narayan Bahl.
Dr. H. R. Mehra (*Convener*).

28. ENGINEERING.‡

Professor L. D. Coeslant. | Professor Bhim Chandra
Chatterji.

Principal Charles A. King, (*Convener*).

* Constituted on 18th February, 1924.

† Constituted on 20th January, 1925.

‡ Constituted on 16th August 1924.

29. INDUSTRIAL CHEMISTRY.*

(including General and Chemical Engineering.)

Principal Charles A. King. | Professor N. P. Gandhi.
 Professor M. B. Rane, (*Convener*).

30. GEOLOGY.†

Principal C. A. King. | Professor N. P. Gandhi.
 Professor K. K. Mathur, (*Convener*).

31. MINING AND METALLURGY.‡

Principal Charles A. King. | Professor K. K. Mathur.
 Professor N. P. Gandhi (*Convener*).

(FACULTY OF ORIENTAL LEARNING.)

1. PRAVESIKA (ALL SUBJECTS).§

Principal A. B. Dhruva. | Pandit Prabhudatta Sastri.
 M. M. Pandit Pramathanath Tarkabhusan, (*Convener*).

2. VEDA-SRAUTA. †

Pandit Prabhudatta Sastri. | Pandit Chinmaswami Sastri.
 Pandit Ambadasa Sastri, (*Convener*).

3. DHARMA SASTRA-AGAMA.‡

Pandit Radha P r a s a d a Mahamahopadhyaya Pandit
 Sastri. Pramathanatha Tarka-
 bhusana.

Mahamahopadhyaya Pandit Annadacharana Tarkachuda-
 mani, (*Convener*).

* Constituted on 7th November, 1924.

† Constituted on 17th September, 1923.

‡ Constituted on 2nd October, 1923.

§ Constituted on 16th August, 1924.

4. PURVA-MIMAMSA.*

Mahamahopadhyaya	Pandit Ambadasa Sastri,
Pandit Pramathanatha	Pandit Chinnaswami Sastri,
Tarkabhusana,	(Convener).

5. VEDANTA.*

Mahamahopadhyaya Pramatha	Principal A. B. Dhruva,
Natha Tarkabhusana,	
Pandit Ambadasa Sastri,	(Convener).

6. SANKHYA YOGA.*

Mahamahopadhyaya	Mahamahopadhyaya
Pandit Jayadeva Misra.	Pandit Pramathanatha
	Tarkabhusana.
Mahamahopadhyaya Pandit Annadacharana	Tarkachudamani,
	(Convener).

7. NYAYA-VAISESIKA.*

Pandit Ambadasa Sastri.	{ Professor P. B. Adhikari.
Principal A. B. Dhruva,	(Convener).

8. VYAKARANA.*

Principal A. B. Dhruva.	Mahamahopadhyaya
Mahamahopadhyaya	Pandit Jayadeva Misra.
Pandit Annadacharana	(Convener).
Tarkachudamani.	

9. JYOTISHA AND MATHEMATICS.*

Pandit Muralidhara Jha.	| Professor Syama Charan De.
Pandit Ramayatna Ojha,	(Convener).

10. SAHITYA.*

Principal A. B. Dhruva,	| Pandit Chandradhara Sarma.
Mahamahopadhyaya Pandit Pramathanatha	Tarkabhusana,
	(Convener).

* Constituted on 17th September, 1923.

11. VAIDYAKA.*

Pandit Madan Mohan	:	Kaviraj Umacharana Bhatta-
Malaviya.	:	charya.

Kaviraj Dharma Das (*Convener*).

12. JAINA DARSANA.†

Pandit Ambadasa Sastri.		Babu Govinda Dasa.
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Principal A. B. Dhruva (*Convener*).

13. ITIHASA, ARTHA-SASTRA AND NITI-SASTRA.‡

Professor P. K. Telang.		Mr. K. P. Jayaswal.
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Principal A. B. Dhruva, (*Convener*).

(FACULTY OF THEOLOGY.)

1. PRAVESIKA (ALL SUBJECTS).

(Same as for the Faculty of Oriental Learning.

2. KARMAKANDA AND VEDANGA.

Mahamahopadhyaya Pandit	:	Pandit Chinnaswami Sastri.
Jayadeva Misra.	:	

Pandit Prabhudatta Sastri, (*Convener*).

3. ITIHASA, PURANA AND DHARMA-SASTRA.*

Professor P. K. Telang.	|	Kaviraj Umacharana Bhatta-
	|	charya.

Pandit Radha Prasada Sastri, (*Convener*).

4. DARSANA SASTRAS.

Mahamahopadhyaya Pandit	:	Pandit Chinnaswami Sastri.
Annadacharana Tarka-	:	Pandit Ambadasa Sastri,
chudamani.	:	(<i>Convener</i>).

* Constituted on 17th September, 1923.

† Constituted on 7th November, 1924.

(FACULTY OF LAW.)

LAW.

Constituted on 17th September, 1923.

Pt. Madan Mohan Malaviya. | Munshi Mahadev Prasad.
 Pandit Baldev Ram Dave (*Convener*).

THE BOARD OF APPOINTMENTS.

[STATUTE 27, SUB-SECTION 1.]

Ex-Officio members.

(i) The Vice-Chancellor. | (ii) The Pro-Vice-Chancellor.

Elected members.

*Note.—The elected members of the Board of Appointments
 hold office for two years.*

- | | | |
|--|---|---|
| (iii) (a) Rai Bahadur Pandit Baldev
Ram Dave. | { | Elected by the
Court on 20th
January, 1924. |
| (b) The Hon'ble Justice Kanhaiya
Lal. | | |
| (iv) (a) Pandit Iqbal Narain Gurtu. | { | Elected by the
Council on 26th
August, 1923. |
| (b) Dr. G. N. Chakravarti. | | |
| (v) (a) Principal A. B. Dhruva. | { | Elected by the
Senate on 7th
January, 1924. |
| (b) Professor P. K. Telang. | | |
| (vi) (a) M.M. Pandit Pramathanatha Tarkabhusana. | { | Elected by the
Syndicate on 10th
March, 1924. |
| (b) Principal Charles A. King. | | |

THE CENTRAL HINDU SCHOOL BOARD.

[STATUTE 76.]

Note.—The members of the Board hold office for three years.**Members:**

(A) MEMBERS NOMINATED BY THE FACULTIES.

Pandit Prabhudatta Sastri.*	Professor Syama Charan Deś
Pandit Ranayatna Ojha.†	Pandit Baldev Ram Dave.‡
Professor P. K. Telang.§	

(B) MEMBERS NOMINATED BY THE COUNCIL.

Nominated on the 29th March, 1924.

Principal A. B. Dhruva.	Babu Guru Prasad Dhavan.
Pandit Chandra Mauli Sukul.	Babu Chintamani Mukerji.
Babu Juanendra Nath Basu.	

THE STUDENTS' RESIDENCE COMMITTEE.

[REGULATION I, CHAPTER XII.]

Constituted by the Syndicate on 20th January, 1925.(a) The Pro-Vice-Chancellor, *Ex-officio*.

(b) (1) Pandit Vidyadhara Gouda. } Nominated by the Faculty
 (2) Pandit A. Chinnaswami Sastri. } of Theology on the 13th
 November, 1924.

(c) (1) Dr. H. R. Mehra, } Nominated by the Syndicate
 Ph.D. } on the 6th November, 1924.
 (2) Prof. Gurmukh N. Singh, }
 M.Sc. 1921 }

* Nominated by the Faculty of Theology on 28th November, 1923.

† Nominated by the Faculty of Oriental Learning on 11th October, 1923.

‡ Nominated by the Faculty of Arts on 11th October, 1923.

§ Nominated by the Faculty of Science on 27th November, 1923.

|| Nominated by the Faculty of Law on 17th December 1923.

- (d) 1. Babu Guru Prasad
Dhavan, B.A. } Nominated by the Council
2. Professor P. Seshadri. } on the 11th November, 1924.
- (e) 1. Mr. Mukut Behari
Lal Gupta. } Elected by the Students of
2. Mr. K. Narayan Pai. } the University on the 9th
January, 1925.
- (f) Dr. Mukund Sahay Varma, M.B., B.S. Medical Officer,
Ex-officio.
- (g) 1. Principal Charles
A. King. }
2. Professor Syama
Charan De, }
3. Mahamahopadhyaya } Wardens of the Hostels, *Ex-*
Pandit Pramatha } *officio*.
Natha Tarkabhusana }
4. Professor K. K.
Mathur. }

Secretary:

Professor Syama Charan De.

THE LIBRARY COMMITTEE.

[REGULATION I, CHAPTER VIII].

Ex-Officio Members:

The Vice-Chancellor.	The Registrar.
The Pro-Vice-Chancellor.	The Librarian.

Elected Members:

Note.—The elected members of the Library Committee hold office for two years.

Elected on 12th October, 1923.

- | | |
|--|-----------------------------------|
| 1. Professor P. K. Telang. | 4. Dr. H. R. Mehra. |
| 2. M. M. Pandit Pramatha Natha Tarkabhusana. | 5. Professor N. P. Gandhi. |
| 3. Principal Charles A. King. | 6. Prof. Krishna K. Mathur. |
| | 7. Principal Chandra Mauli Sukul. |

Elected on 12th November, 1924.

8. Professor Gurmukh N. Singh*

Elected on 29th January, 1925.

- | | |
|------------------------------|---------------------------------|
| 9. Professor P. B. Adhikari. | 13. Professor R. S. Inamdar. |
| 10. Professor P. Seshadri. | 14. Professor Shyam Sundar Das. |
| 11. Professor P. K. Dutt. | 15. Prof. L. D. Coueslant. |
| 12. Professor M. B. Rane. | 16. Professor D. N. Sen. |

THE UNIVERSITY TOWN COMMITTEE.

Class I. Ex-Officio Members:

- | | |
|----------------------------|--------------------------|
| The Pro. Vice-Chancellor. | The Executive Engineer. |
| The Chief Medical Officer. | The Electrical Engineer. |

Class II. Elected Members:

Elected on 27th September 1924.

- | | |
|----------------------------|---------------------------------|
| †Professor J. S. Yajnik | .. (Asstt. Warden Hostel No. I) |
| „ Sohan Lall | .. („ „ „ „ II) |
| „ Shyam Narain Lall | .. („ „ „ „ IV) |
| ‡Pandit Sri Ratna Shukla | .. (Hostel No. I.) |
| „ Markandeya Prasad Pathak | (Hostel No. I.) |

*Elected for the residue of the term of Professor H. L. Chablani who was elected on 12th October 1923.

†Wardens or Sub-wardens.

‡Representatives of Students residing in Hostels etc.

- Mr. Surendra Chandra Gupta.. (Hostel No. II.)
 „ Tripurari Saran Singh .. (Hostel No. II.)
 Pandit Chandra Dhar Issur .. (Hostel No. IV.)
 „ Ram Chandra Upadhyaya (Hostel No. IV.)
 „ Vidya Sagar Dubey .. (G. & H. Quarters.)
 *Professor Y. Bharadwaja
 „ Haru Ram Mehra
 †Mr. Jagnandan Lal ... (Arts College.)
 „ Sant Singh .. (Science College.)
 Pandit Mohan Chandra Pandey. (Engineering College.)
 „ Shiva Kumar Shukla .. (College of O. L. & T.)
 ‡ Professor Shyam Sunder Das.
 § Pandit Govinda Malaviya.
 Mr. K. Krishna Raju.

Chairman :

Principal A. B. Dhruva (Pro. Vice-Chancellor).

Vice-Chairman :

Mr. D. N. Ohdedar.

Secretary :

Mr. B. N. Seth.

THE FINANCE COMMITTEE.*(Constituted by the Council on 14th April, 1924).*

- | | |
|--|--|
| 1. The Vice-Chancellor. | 4. Sir Ganga Ram, Kt. |
| 2. The Pro-Vice-Chancellor. | 5. Rai Bahadur Pandit Baldev Ram Dave. |
| 3. The Hon'ble Raja Moti Chand, C.I.E. | 6. Professor P. K. Telang. |

*Representatives of the occupants of houses paying rent to the University.

†Representatives of Colleges.

‡Representatives from among the non-resident professors.

§Representatives from among the day scholars.

- | | |
|--|-----------------------------------|
| 7. The Hon'ble Mr. Justice
Kanhaiyalal. | 10. Babu Jnanendra Nath
Basu. |
| 8. Pandit Iqbal Narain Gurtu | 11. Professor Syama Charan
De. |
| 9. Babu Guru Pd. Dhavan. | |

Convener: Babu Guru Prasad Dhavan

THE BUILDING COMMITTEE.

(Constituted by the Council on 25th February, 1920).

- | | |
|------------------------------------|--|
| 1. The Vice-Chancellor. | 7. Rai Bahadur Pandit Baldev
Ran Dave. |
| 2. The Pro-Vice-Chancellor. | 8. B. Guru Prasad Dhavan. |
| 3. Sir Ganga Ram, Kt. | 9. Rai Bahadur Pandit Ma-
tadin Spkul.* |
| 4. The Hon'ble Raja Moti
Chand. | 10. Rai Bahadur Pandit
Shyam Nath Hukku.* |
| 5. Rai Jwala Prasad. | 11. Rai Krishna Chandra
Banerji Bahadur.* |
| 6. Babu Upendra Nath
Basu. | |

Secretary: Executive Engineer in Charge.

THE COLLECTION COMMITTEE.*

(Constituted by the Council on 31st January, 1925).

- | | |
|---|--|
| 1. The Pro-Vice Chancellor. | 6. Babu Guru Prasad Dhavan. |
| 2. Principal C. A. King. | 7. Mr. D. N. Ohdedar. |
| 3. Professor M. B. Rane. | 8. Mr. K. K. Mathur. |
| 4. Prof. Syama Charan De. | 9. Professor N. P. Gandhi. |
| 5. Rai Bahadur Pandit Baldev
Ram Dave. | 10. M. M. Pt. Pramathanatha
Tarkabhusana. |

* Added on 14th June, 1922.

* i. e. the Committee to organise the collections of (a) subscriptions which have already been promised, and (b) new-donations, by means of deputations, appeals and otherwise.

- | | |
|--|-------------------------------|
| 11. Dr. N. K. Sethi. | 15. Dr. H. R. Mehra. |
| 12. Prof. R. S. Jain. | 16. Babu Shyam Sundar Das. |
| 13. Pt. Chandra Mauli Sukul. | 17. Prof. Gurmukh N. Singh. |
| 14. Pt. Ram Narayan Misra. | 18. Professor P. B. Adhikari. |
| 19. Professor P. Seshadri (<i>Convener</i>). | |

THE UNIVERSITY ESTATES COMMITTEE.

Appointed by the Council on the 18th August, 1924.

- | | |
|----------------------------------|-----------------------------|
| 1. The Pro-Vice-Chancellor | 5. B. Juanendranath Basu. |
| 2. Raja Motichand. | 6. Babu Guru Prasad Dhavan. |
| 3. Prof. S. C. De. | |
| 4. R. B. Pandit Baldev Ram Dave. | 7. Babu D. N. Ohdedar. |
| | 8. Pt. Lachchman Das. |

Chairman:

The Hon'ble Raja Motichand.

Secretary:

Babu Guru Prasad Dhavan.*

THE RELIGIOUS INSTRUCTION COMMITTEE.

Appointed by the Faculty of Theology on 31st August, 1919

- | | |
|---------------------------------|---|
| 1. Pandit Madan Mohan Malaviya. | 4. M. M. Pandit Pramathanatha Tarkabhusana. |
| 2. Principal A. B. Dhruva. | 5. Pt. Viresvara Sastri Dravida. |
| 3. Pandit Prabhudatta Sastri. | 6. Pandit Giridhara Sarma. |
| | 7. Pandit Hari Ram Pande. |

Convener: Pandit Madan Mohan Malaviya.

* Mr. D. N. Ohdedar was appointed Secretary in his place on 18th December, 1924.

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS
OF GRADUATES AND UNDER-GRADUATES OF OTHER UNI-
VERSITIES FOR ADMISSION TO THIS UNIVERSITY
AND REPORT ON THEM TO THE
SYNDICATE.

Constituted by the Syndicate on the 30th July, 1918.

- | | |
|--|--|
| The Principal, Central
Hindu College. | 3. The Principal, College
of Oriental Learning. |
| 2. The Principal, Teachers'
Training College. | 4. The Principal, College
of Theology. |
| 5. The Registrar, (<i>Convener</i>). | |

N. B.—In the case of the applications of Graduates the head of the department concerned shall also be a Member.

THE COMMITTEE APPOINTED TO TAKE SUCH STEPS AS ARE
NECESSARY TO SECURE RECOGNITION OF THE
EXAMINATIONS AND DEGREES OF THE
BENARES HINDU UNIVERSITY BY
OTHER INDIAN AND FOREIGN
UNIVERSITIES.

Appointed by the Syndicate on 6th March, 1922.

- | | |
|---|----------------------------|
| 1. The Vice-Chancellor. | 4. Dr. S. S. Bhatnagar. |
| 2. The Pro-Vice-Chancellor. | 5. Professor K. K. Mathur. |
| 3. The Registrar. | 6. Professor P. Seshadri. |
| <i>Convener; Professor P. Seshadri.</i> | |

THE COMMITTEE APPOINTED TO DEAL WITH THE APPLICATIONS
OF GRADUATES AND UNDER-GRADUATES FOR UNI-
VERSITY SCHOLARSHIPS OF MERIT.

Constituted by the Syndicate on 25th July, 1919.

- | | |
|-----------------------------|--|
| 1. The Pro-Vice-Chancellor. | 3. The Principal, College
of Oriental Learning. |
| 2. Dr. G. N. Chakravarti. | |

- | | |
|---|--|
| 4. The Principal, Central Hindu College. | 6. The Principal, College of Theology. |
| 5. The Principal, Teachers' Training College. | 7. The Principal, Engineering College. |

Convener: The Pro-Vice-Chancellor.

N. B.—In the case of the applications of graduates the heads of departments of the Central Hindu College also to be members.

THE COMMITTEE APPOINTED TO RECOMMEND THE AWARD
OF BIRLA SCHOLARSHIPS.*

Constituted by the Syndicate on 14th August, 1922.

- | | |
|-------------------------------|---------------------------|
| 1. The Pro-Vice-Chancellor. | 4. Professor M. B. Rane. |
| 2. Principal Charles A. King. | 5. Professor P. Seshadri. |
| 3. Professor P. K. Telang. | 6. The Registrar. |

Chairman:—The Pro-Vice-Chancellor.

Convener:—The Registrar.

THE COMMITTEE APPOINTED TO MAKE RECOMMENDATIONS
REGARDING THE AWARD OF SCHOLARSHIPS TO THE STUDENTS
OF THE COLLEGES OF ORIENTAL LEARNING
AND THEOLOGY AND THE RANAVIRA
SAMSKRIT PATHSALA.†

Constituted by the Syndicate on 18th September, 1924.

- | | |
|--|---------------------------------|
| 1. The Pro-Vice-Chancellor. | 3. Pandit Ambadasa Sastri. |
| 2. The Principal, College of Theology. | 4. Principal Ayurvedic College. |

* The same Committee was appointed to make recommendations for the award of the Parbatibai Jain Scholarships, the Ratanchand Dalpatram Shah Scholarships, the Gonti Vahu Scholarships, the Rai Chandi Prasad Scholarships, the Kumar Singh Scholarships, the Bholanath Barooah Scholarships, the Akhauri Babu Premnarain Scholarship and the Lala Ratan Chand Scholarships, (Vide Syndicate resolutions dated 14th August, 1922, 9th November, 1922, 12th December, 1922, and the 18th September, 1924.)

† The same Committee was appointed to make recommendations for the award of Richard Burn Scholarships also (vide Syndicate minutes dated 12th December, 1922.)

- | | |
|------------------------------|-----------------------------|
| 5. Professor P. Seshadri. | 8. The Principal College of |
| 6. Professor P. B. Adhikari. | Oriental Learning |
| 7. The Registrar. | (<i>Convener</i>). |

THE COMMITTEE APPOINTED TO BRING OUT THE RESULTS
OF THE UNIVERSITY EXAMINATIONS OF 1925.

Constituted by the Syndicate on 6th November, 1924

- | | |
|--|---|
| 1. The Vice-Chancellor. | 6. Professor R. S. Inamdar.. |
| 2. The Pro-Vice-Chancellor. | 7. Professor P. Seshadri. |
| 3. Mahamahopadhyaya Pt. Pramathanatha Tarkabhushana. | 8. Principal Charles A. King. |
| | 9. Professor N. P. Gandhi. |
| 4. Professor K. K. Mathur. | 10. Professor Nilkamal Bhat-tacharya.* |
| 5. Professor P. K. Dutt. | 11. The Registrar, (<i>Convener</i>). |

THE ACADEMIC ROBES COMMITTEE.

Constituted by the Senate on the 28th November, 1921.

- | | |
|---|----------------------------|
| 1. Pandit Madan Mohan Malaviya. | 5. Professor P. K. Telang. |
| 2. Principal A. B. Dhruva. | 6. Prof. S. S. Bhatnagar. |
| 3. Pandit Prabhudatta Sastri. | 7. Professor P. Seshadri. |
| 4. M. M. Pandit Pramathanatha Tarkabhusana.†. | 8. The Registrar. |

Convener: Professor P. Seshadri.

THE REFORMS COMMITTEE.

Constituted by the Senate on the 27th March, 1920.

- | | |
|----------------------------|---------------------------|
| 1. The Vice-Chancellor. | 4. Babu Govinda Das. |
| 2. Principal A. B. Dhruva. | 5. Dr. G. N. Chakravarti. |
| 3. Dr. Sir P. C. Roy. | |

* Added on 20th January 1925.

† Added on 8th December, 1923.

- | | |
|-------------------------------|------------------------------|
| 6. Principal Charles A. King. | 14. Dr. Haru Ram Mehra. |
| 7. Dr. C. V. Raman. | 15. Professor N. P. Gandhi. |
| 8. Prof. Bertram Keightley. | 16. Prof. L. D. Coueslant.* |
| 9. Professor P. K. Telang. | 17. Prof. K. R. Gunjekar. |
| 10. Professor P. Seshadri. | 18. Professor R. S. Inamdar. |
| 11. Professor M. B. Rane. | 19. Dr. S. S. Bhatnagar.* |
| 12. Professor P. K. Dutt. | 20. Prof. K. K. Mathur.* |
| 13. Professor P. B. Adhikari. | 21. Prof. Gurmukh N. Singh.* |
| | 22. The Registrar. |

Chairman : The Vice-Chancellor.

Convener and Vice-Chairman : Principal A. B. Dhruva. †

THE GOWSHALA COMMITTEE.

Constituted by the Council on 23rd April, 1924.

- | | |
|-----------------------------|-------------------------|
| 1. Mr. D. N. Ohdedar. | 3. Babu Bholanath Seth. |
| 2. Babu Guru Prasad Dhavan. | 4. Mr. U. A. Asrani. |
| | 5. Pandit Lakshman Das. |

Convener : PANDIT LAKSHMAN DAS.

THE BOARD OF INSPECTORS FOR SCHOOLS RECOGNISED BY THE UNIVERSITY.

Appointed by the Syndicate on the 18th September, 1924.

The Pro-Vice-Chancellor. Professor M. B. Rane.
Professor P. Seshadri, (*Convener*).

OTHER OFFICERS AND REPRESENTATIVES.

PERSONAL ASSISTANT TO THE PRO-VICE-CHANCELLOR :

Babu Guru Prasad Dhavan, B.A.

Appointed 8th April, 1917.

* Added on 24th April, 1922.

† Appointed on 12th October, 1923.

ASSISTANT REGISTRAR:

Pandit Indradeva Tewari, M.A.

Appointed 26th February 1921.

HONORARY CHIEF ENGINEER:

Sir Ganga Ram Kt., Rai Bahadur, C.I.E., M.V.O.

Appointed 7th November, 1916.

EXECUTIVE ENGINEER:

Pandit Lakshman Das.

REPRESENTATIVE ON THE COURT OF VISITORS OF THE
INDIAN INSTITUTE OF SCIENCE, BANGALORE.

Sir P. S. Sivaswamy Aiyer, B.A., B.L., Kt.

*Elected 30th March, 1919*REPRESENTATIVE ON THE BOARD OF HIGH SCHOOL AND
INTERMEDIATE EDUCATION, UNITED PROVINCES.

Principal A. B. Dhruva, M.A., LL.B.

*Elected 18th March, 1922.*REPRESENTATIVE AT THE INTERNATIONAL MATHEMATICAL
CONGRESS.*

Babu Gorakh Prasad, M. Sc.

Elected 23rd July, 1924.

* Held at Toronto

REPRESENTATIVE AT THE ALL INDIA ORIENTAL CONFERENCE.†

Principal A. B. Dhruva, M. A., LL. B.

Elected 16th August, 1924.

REPRESENTATIVE ON THE INTER UNIVERSITY BOARD.

Principal A. B. Dhruva, M. A., LL. B.

Appointed 7th March, 1925.

† Held in Madras in December, 1924,

II.

Succession Lists

LORD RECTORS

Ex-officio.

- 1916 His Excellency the Right Hon'ble Frederic John Napier Baron Chelmsford P.C., G.M.S.I., G.C.M.G., G.M.I.E., G.B.E., Viceroy and Governor General of India.
- 1921 His Excellency the Right Hon'ble Rufus Daniel Isaacs, Earl of Reading P.C., G.C.S.I., K.C.V.O., G.C.B.,

Visitors :

(Ex-officio).

- 1916 Sir James Meston, K. C. S. I., Lieutenant Governor of the United Provinces of Agra and Oudh.
- 1918 The Hon'ble (later His Excellency) Sir Speneer Harcourt Butler, K. C. S. I., C. I. E., Lieutenant Governor (afterwards Governor) of the United Provinces of Agra and Oudh.
- 1922 H. E. Sir William Sinclair Marris K.C.S.I., K.C.I.E. Governor of the United Provinces of Agra and Oudh.

Chancellor :

1. His Highness Maharaja Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I. Maharaja of Mysore *Appointed 1st April, 1916, Re-elected 13th April 1919.*
2. His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I. G.C.I.E. LL.D. Maharaja of Baroda, *Elected 30th November, 1922.*

Pro-Chancellors :

1. His Highness Maharaja Sir Madhava Rao Scindia Bahadur, G.C.S.I., G.C.V.O., A.D.C. to His Majesty the King Emperor, LL.D., Maharaja of Gwalior, *Appointed 1st April, 1916, Re-elected 29th October, 1917, 30th November, 1918, 29th November, 1919, 11th December, 1920, 14th December, 1921.*
2. His Highness Raj-Rajeshwar Narendra Shiromani Shri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner, *Elected 30th November, 1922. Re-elected 16th December 1923 and 20th December 1924.*

Vice-Chancellors :

1. The Hon'ble Dr. Sir Sundar Lal, Rai Bahadur Kt., C.I.E., B.A., LL.D. *Appointed 1st April, 1916, Died 13th February, 1918.*
2. Sir P. S. Sivaswamy Aiyer, B. A., B. L., K. C. S. I., C.I.E., *Elected 13th April, 1918. Resigned 8th May, 1919.*
3. Pandit Madan Mohan Malaviya, B.A., LL.B., *Elected 29th November, 1919, Re-elected 30th November, 1922.*

Pro-Vice-Chancellors :

1. Mahamahopadhyaya Pandit Adityaram Bhattacharya, *Elected 12th August, 1916, Re-elected 29th October, 1917, Resigned 6th August, 1918.*
2. Rai Gyanendranath Chakravarti Bahadur M.A., LL.B., F.R.S.A. I.S.O. *Appointed 28th August, 1918, Elected 30th November, 1918. Resigned 17th January, 1919.*
3. Pandit Madan Mohan Malaviya B.A., LL.B. *Elected 19th January, 1919.*

SUCCESSION LISTS.

Rai Gyanendranath Chakravarti Bahadur, M.A., LL.B., F.R.S.A., I.S.O. *Elected 29th November, 1919, on leave from April, 1920, Resigned 10th December, 1920.*

5. Principal A.B. Dhruva M.A., LL.B., *Appointed April 1920, Elected 11th December, 1920. Re-elected 30th November, 1922.*

Rector:

1. Mahamahopadhyaya Pandit Adityaram Bhattacharya, M.A., *Appointed 10th March, 1919, Died 13th October, 1921.*

Registrars:

1. Pandit Manoharlal Zutshi, M.A., C.T. *Appointed 15th July, 1917.*
2. Rai Braj Narain Gurtu, M.A., *Appointed 30th July, 1918.*
3. Pandit Shyam Sundar Sharma, M.A., (in charge) *Appointed 18th July, 1919.*
4. Professor Syama Charan De, M.A., *Appointed 26th February, 1921.*

Treasurers:

1. The Hon'ble Raja Motichand, C.I.E., *Appointed 12th August, 1916, Re-elected 29th October, 1917, 30th November, 1918, 29th November, 1919, 11th December, 1920, 14th December, 1921, 30th November, 1922, 16th December, 1923, 20th December, 1924.*

Auditors:

1. Pandit Mahadeo Prasad Acharya, *Appointed 12th August, 1916, Re-appointed 29th October, 1917, 30th November, 1918, 29th November, 1919, Resigned 8th October, 1920.*

2. Babu Brajendralal De, *Appointed 9th October, 1920.*
3. Mr. K. L. Datta, M.A., F.S.S., F.R.E.S., *Appointed 11th December, 1920, Re-appointed 14th December, 1921, 30th November, 1922.*
4. Mr. Iqbal Krishna Munshi Gurtu, B. A., *Appointed 30th November, 1922.*
5. Messrs Batliboy and Co., Calcutta, *Appointed 20th January, 1924, Re-appointed 20th December, 1924.*

Deans in Arts :

1. The Hon'ble Rai Bahadur Dr. (afterwards Sir) Sundarlal, B.A., LL.D., C.I.E. *Elected 7th November 1916. Re-elected 27th October, 1917,*
2. Sir P. S. Sivaswamy Aiyer, B.A., B.L., K.C.S.I., C.I.E. *Elected 17th April, 1918, Re-elected 2nd November, 1918.*
3. Paudit Madan Mohan Malaviya, B.A., LL.B. *Elected 16th July, 1919, Re-elected 27th October, 1919, 27th October, 1920, 26th October, 1921, 30th October, 1922.*
4. Principal A. B. Dhruva M.A., LL.B. *Elected 11th October, 1923, Re-elected 18th November, 1924.*

Deans in Science :

1. Rai Gyanendranath Chakravarti Bahadur, M.A., LL.B. *Elected 7th November, 1916, Re-elected 28th October, 1917, 2nd November, 1918, 16th July, 1919, 27th October, 1919, and 27th October, 1920.*
2. Dr. Ganesh Prasad, M.A., D.Sc. *Elected 25th October, 1921, Re-elected 26th October, 1922.*
3. Principal Charles A. King, B.Sc., A.R.C.Sc., etc. *Elected 11th October, 1923, Re-elected 11th November, 1924.*

Deans in Oriental Learning:

1. Mahamahopadhyaya Dr. Ganganatha Jha, M.A., D.Litt. *Elected 7th November, 1916, Re-elected 28th October, 1917, and 6th November, 1918.*
2. Pandit Ramavatara Sarma, M.A. *Elected 17th July, 1919.*
3. Pandit Madan Mohan Malaviya, B.A., LL.B. *Elected 31st October, 1919, Re-elected 28th October, 1920, 27th October, 1921, and 30th October, 1922.*
4. Mahamahopadhyaya Pandit Pramathanatha Tarkabhushana. *Elected 11th October, 1923, Re-elected 13th November, 1924.*

Deans in Theology:

1. Mahamahopadhyaya Pandit Adityaram Bhattacharya M.A. *Elected 7th November, 1916, Re-elected 28th October, 1917.*
2. Pandit Panchanana Tarkaratna *Elected 6th November, 1918, Re-elected 26th October, 1919, 28th October, 1920.*
3. Pandit Prabhudatta Sastri *Elected 27th October, 1921, Re-elected 27th October, 1922, 11th October, 1923, and 13th November, 1924.*

Deans in Law:

1. Dr. Sir Rash Behari Ghosh. *Elected 7th November, 1916, Re-elected 28th October, 1917.*
2. Dr. Tej Bahadur Sapru, M.A., LL.D. *Elected 31st October, 1919, Re-elected 28th October, 1920.*
3. Pandit Madan Mohan Malaviya, B.A., LL.B. *Elected 31st March, 1921, Re-elected 28th October, 1921, 30th October, 1922, 17th December, 1923.*
4. Dr. Sir Tej Bahadur Sapru, M.A., LL.D., K.C.S.I. *Elected 15th November, 1924.*

III.

The Benares Hindu University Act

(ACT XVI OF 1915.)

PASSED BY THE GOVERNOR-GENERAL OF INDIA IN COUNCIL.

*(Received the assent of the Governor-General on
the 1st October, 1915.)*

An Act to establish and incorporate a teaching and residential
Hindu University at Benares.

Whereas it is expedient to establish and incorporate a teaching and residential Hindu University at Benares, and to dissolve the Hindu University Society, a Society registered under the Societies Registration Act, 1860, and to transfer to, and vest in the said University all property and rights now vested in the said Society; it is hereby enacted as follows:—

Short title and commencement.

1. (1) This Act may be called the
Benares Hindu University Act, 1915.

(2) It shall come into force on such date* as the Governor-General in Council may, by notification in the Gazette of India, direct.

2. In this Act, unless there is anything repugnant in the
Definitions. subject or context,—

(a) “College” means any College or institution maintained or admitted to privileges by the University;

(b) “Council” means the University Council;

*Came into force on the 1st April, 1916, vide Notification No. 255, dated the 23rd March, 1916, published in the *Gazette of India*, dated the 25th March 1916, Part I, p. 352.

- (c) "Court" means the University Court;
- (d) "Faculty" means a Faculty of the University;
- (e) "Regulations" means the Regulations of the University for the time being in force;
- (f) "Senate" means the Senate of the University;
- (g) "Statutes" means the Statutes of the University for the time being in force; and
- (h) "University" means the Benares Hindu University.

3. (1) The First Chancellor, Pro-Chancellor and Vice-Chancellor who shall be the persons specified in this behalf by a notification of the Governor-General in Council in the Gazette of India, and the persons indicated in Schedule I as members of the Court and the Senate, and all persons who may hereafter become, or be appointed as such officers or members, so long as they continue to hold such office or membership, [shall be constituted a body corporate by the name of the Benares Hindu University.

(2) The University shall have perpetual succession and a Common Seal, and shall sue, and be sued, by the name first aforesaid.

(3) The University shall be deemed to have been incorporated for the purposes, among others, of making provision for imparting education, literary, artistic and scientific, as well as agricultural, technical, commercial and professional, of furthering the prosecution of original research, and of giving instruction in Hindu theology and religion, and of promoting the study of literature, art, philosophy, history, medicine and science, and of imparting physical and moral training.

4. (1) The University shall, subject to the Regulations, be open to persons of all classes, castes and creeds, but provision shall be made for religious instruction and examination in Hindu Religion only.

University open to all classes, castes and creeds, save as regards religious instruction.

(2) The Court shall have power to make Statutes providing that instruction in Hindu religion shall be compulsory in the case of Hindu students, and shall also have power to make special arrangements for the religious instruction of Jain or Sikh students from funds provided for this purpose.

5. The Governor-General of India for the time being shall be the Lord Rector of the University; and such persons, as may be specified in the Statutes, shall be the Patrons and Vice-Patrons thereof.

6. (1) The Lieutenant Governor for the time being of the United Provinces of Agra and Oudh shall be the Visitor of the University.

(2) The Visitor shall have the right of inspecting the University and its Colleges generally, and for the purpose of seeing that the proceedings of the University are in conformity with this Act and the Statutes and Regulations. The Visitor may, by order in writing annual any such proceeding which is not in conformity with this Act and the Statutes and Regulations;

Provided that, before making any such order, he shall call upon the University to show cause why such an order should not be made, and if any cause is shown within a reasonable time, shall consider the same.

Authorities and officers of the University.

7. The following shall be the authorities and officers of the University :—

- I.—The Chancellor.
- II.—The Pro-Chancellor.
- III.—The Vice-Chancellor.
- IV.—The Pro-Vice-Chancellor.
- V.—The Court.
- VI.—The Council.

VII.—The Senate.

VIII.—The Syndicate.

IX.—The Faculties and their Deans.

X.—The Registrar.

XI.—The Treasurer, and

XII.—Such other authorities and officers as may be provided for by the Statutes.

8. Subject to the provisions of this Act, the powers and duties of the officers of the University, the term for which they shall hold office and the filling up of casual vacancies in such offices, shall be provided for by the Statutes.

9. (1) The Court shall be the supreme governing body of the University in administrative matters and shall have power to review the acts of the Senate (save when the Senate has acted in accordance with powers conferred on it under this Act, the Statutes or the Regulations), and shall exercise all the powers of the University not otherwise provided for by this Act or the Statutes.

(2) No person not being a Hindu shall become or be appointed a member of any Court other than the first Court unless he has been a member of the first Court*.

10. (1) The Council shall be the executive body of the Court, and shall, in addition to *ex-officio* members, consist of not more than thirty elected members:

Provided that five members, other than *ex-officio* members, shall be members of the Senate elected by the Senate.

(2) The Council shall exercise such powers and perform such duties as may be vested in it by the Statutes.

* Amendment passed by Act No. 3 of 1922.

11. (1) The Senate shall be the academic body of the University, and subject to the Act, the Statutes and Regulations, shall have entire charge of the organization of instruction in the University and the Colleges, the courses of study and the examination and discipline of students and the conferment of ordinary and honorary degrees.

(2) The Senate shall ordinarily consist of not less than fifty members.

12. (1) The Syndicate shall be the executive body of the Senate, and shall consist of seventeen members;

Provided that ten at least of the members of the Syndicate, other than *ex-officio* members shall be University Professors or Principals or Professors of Colleges.

(2) The Syndicate shall exercise such powers and perform such duties as may be vested in it by the Statutes.

13. (1) The accounts of the University shall, once at least in every year and at intervals of not more than fifteen months, be audited by Auditors appointed by the Court;

Provided that no person shall be appointed an Auditor in the exercise of this power, unless he is qualified in accordance with the provisions of the Indian Companies Act, 1913, to audit accounts of companies under that Act.

(2) The accounts, when audited, shall be published in the Gazette of India and a copy of the accounts, together with the Auditor's report, shall be submitted to the Visitor.

14. The University shall invest, and keep invested, in securities in which trust funds may be invested, in accordance with the provisions of the law relating to trusts in British India, a sum of fifty lakhs of rupees as a permanent endowment to meet the recurring charges of the University

Permanent reserve
to cover recurring
charges.

other than charges in respect of scholarships, prizes and rewards;

Provided that—

(1) any Government securities, as defined by the Indian Securities Act, 1886, (XIII of 1886) which may be held by the University shall, for the purposes of this section, be reckoned at their face-value; and

(2) the aforesaid sum of fifty lakhs shall be reduced by such sum as, at the commencement of this Act, the Governor-General in Council shall, by order in writing, declare to be the total capitalised value, for the purposes of this Section,—

(a) of all permanent recurring grants of money which have been made to the University by any Indian Prince or Chief; and

(b) of the total income accruing from immoveable property which has been transferred to the University.

15. (1) The Central Hindu College, Benares, shall, from such date as the Governor-General in Council may, by notification in the Gazette of India, appoint in this behalf, be deemed to be a College maintained by the University, and the University may found and maintain other Colleges and institutions in Benares for the purposes of carrying out instruction and research.

Maintenance and admission to privileges of Colleges.

(2) With the approval of the Senate and the sanction of the Visitor, and subject to the Statutes and Regulations, the University may admit Colleges and institutions in Benares to such privileges of the University, subject to such conditions, as it thinks fit.

16. The degrees, diplomas, certificates and other academic

mic distinctions granted by the University, shall be recognized by the Government to the same extent and in the same manner as the corresponding degrees, diplomas, certificates and other academic distinctions granted by any other University incorporated by an Act of the Governor-General in Council.

17. (1) Subject to the provisions of this Act, the Statutes may provide for any or all of the following matters, namely:—

- (a) the constitution, powers and duties of the Court, the Council, the Senate, the Syndicate, and such other bodies, as it may be deemed necessary to constitute from time to time;
- (b) the election and continuance in office of the members of the said bodies, including the continuance in office of the first members and the filling of vacancies of members, and all other matters relative to those bodies for which it may be necessary or desirable to provide;
- (c) the appointment, powers and duties of the necessary officers of the University;
- (d) the instruction of Hindu students in Hindu religion; and
- (e) all other matters relating to the administration of the University.

(2) The first Statutes shall be those set out in Schedule I.

(3) The Court may, from time to time, make new or additional Statutes, or may amend or repeal the Statutes.

(4) The Council shall have power to draft, and propose to the Court, Statutes to be made by the Court, and it shall be the duty of the Court to consider the same.

(5) All new Statutes or additions to the Statutes or amendments or repeals to Statutes, other than Statutes providing for the instruction of Hindu students in Hind

religion, shall require the previous approval of the Visitor, who may sanction, disallow, or remit for further consideration :

Provided that no Statute making a change in the constitution of the Court, the Council, the Senate or the Syndicate, as provided for in the first Statutes, shall be made without the previous sanction of the Governor-General in Council.

18. (1) Subject to the provisions of this Act and the Statutes, the Regulations may provide for any or all of the following matters, namely:—

- (a) the payment of fees to the University and their amount;
- (b) the admission of students to the University and their examination;
- (c) the tenure of office and terms and manner of appointment and the duties of the examiners and examining boards;
- (d) the discipline to be enforced in regard to the graduates and under-graduates;
- (e) the degrees, diplomas, certificates and other academic distinctions to be awarded by the University, the qualifications for the same, and the means to be taken relating to the granting and obtaining of the same ;
- (f) the withdrawal of degrees, diplomas, certificates and other academic distinctions ;
- (g) the removal from membership of the University of graduates and under-graduates ; and
- (h) all such other subjects as are required or authorised by the Act or Statutes to be prescribed by means of Regulations.

(2) The first Regulations shall be framed as directed by the Governor-General in Council, and shall receive his previous approval.

(3) The Senate, from time to time, may make new or additional Regulations, or amend or repeal Regulations.

(4) The Syndicate shall have power to draft, and propose to the Senate, Regulations to be made by the Senate, and it shall be the duty of the Senate to consider the same.

(5) All new Regulations or additions to the Regulations, or amendments or repeals to Regulations, shall require the previous approval of the Visitor, who may sanction, disallow or remit for further consideration :

Provided that no Regulation making a change in the first Regulations as to the admission of students to the University, shall be made without the previous sanction of the Governor-General in Council.

19. (1) If, at any time, the Governor-General in Council is of opinion that special reasons exist which make the removal of any member of the teaching staff desirable in the interest of the University, or that, as a special measure, the appointment of a certain examiner or examiners to report to him is desirable to maintain the standard of University examinations, or that the scale of staff of the University is inadequate, or that in any other respect the affairs of the University are not managed in the furtherance of the objects and purposes of the University or in accordance with this Act and the Statutes and Regulations, he may indicate to the Council any matter in regard to which he desires explanation, and call upon that body to offer such explanation as it may desire to offer, with any proposals which it may desire to make, within such time as he may prescribe.

(2) If the Council fails to offer any explanation within the time prescribed, or offers an explanation or makes proposals which, in the opinion of the Governor-General in Council, is or are unsatisfactory, the Governor-General in Council may issue such instructions, as appear to him to be necessary and desirable in the circumstances of the case, and the Court shall give effect to such instructions.

20. (1) From the commencement of this Act, the Hindu University Society shall be dissolved, and all property, moveable and immoveable and all rights, powers and privileges of the Hindu University Society which, immediately before the commencement of this Act, belonged to, or were vested in, the said Society, shall vest in the University, and shall be applied to the objects and purposes for which the University is incorporated.

(2) From the commencement of this Act, all debts and liabilities of the said Society shall be transferred and attached to the University, and shall thereafter be discharged and satisfied by the University.

(3) Any will, deed or other document, whether made or executed before or after the commencement of this Act, which contains any bequest, gift or trust in favour of the Central Hindu College or the said Society, shall, on the commencement of this Act, be construed as if the University were therein named, instead of the said College or Society.

SCHEDULE

FIRST STATUTES OF THE UNIVERSITY.

[See Sections 3 and 17 (2).]

Definition.

1, (1) In these Statutes—

“The Act” means the Benares Hindu University Act, 1915.

(2) All words and expressions used herein and defined in the Act shall be deemed to have the meanings respectively attributed to them by the Act.

2. (1) The following persons shall be members of the Membership of the University, namely:—

- (i) The officers of the University.
- (ii) The members of the University authorities.

(iii) The members of the teaching staff.

(iv) The Graduates.

(v) The Under-graduates.

(2) Membership of the University shall continue so long only as one at least of the qualifications above enumerated shall continue to be possessed by the individual member.

3. (1) The following persons shall be the Patrons of the University, namely:—
Patrons and Vice-Patrons.

(i) Heads of local administrations in British India, other than the Lieutenant-Governor of the United Provinces of Agra and Oudh;

(ii) Such Indian Princes and Chiefs as the Lord Rector may, on his own motion, or on the recommendation of the Court, from time to time, appoint,

(2) The Lord Rector may, on his own motion, or on the recommendation of the Court, appoint such persons, as he may think fit, to be Vice-Patrons of the University.

4. (1) The successors to the first Chancellor shall be
The Chancellor. elected by the Court.

(2) The Chancellor shall hold office for three years.

5. (1) The Chancellor shall, by virtue of his office, be
Powers of the Chancellor. the head of the University.

(2) The Chancellor shall, if present, preside at the convocation of the University for conferring degrees, and at all other meetings of the Court.

(3) The Chancellor may, on the recommendation of the Senate, appoint Rectors, being persons of eminent position or attainment.

(6) (1) The successors to the first Pro-Chancellor shall
The Pro-Chancellor. be elected by the Court from among its own members.

(2) The Pro-Chancellor shall hold office for one year.

(3) Casual vacancies in the office of the Pro-Chancellor shall be filled up by the Chancellor on the recommendation of the Council. The person so appointed shall hold office till the next annual election.

7. The Pro-Chancellor may, in the absence of the Chancellor or pending a vacancy in the office of Chancellor, exercise the functions of the Chancellor, except the conferring of degrees, and preside at any meetings of the Court.

8. (1) The successors to the first Vice-Chancellor shall be elected by the Court from among its own members. Such appointment shall be subject to approval by the Visitor.

(2) The Vice-Chancellor shall hold office for three years

(3) Casual vacancies in the office of the Vice-Chancellor shall be filled up by election by the Court, subject to approval by the Visitor. Until the election of a new Vice-Chancellor, the Pro-Vice-Chancellor shall perform the duties of the Vice-Chancellor.

9. (1) The Vice-Chancellor shall take rank in the University next to the Chancellor and the Pro-Chancellor, and shall be *ex-officio* Chairman of the Council, the Senate and the Syndicate. He shall be the principal Executive and Academic officer of the University, and shall, in the absence of the Chancellor, preside at the Convocation and confer degrees.

(2) It shall be the duty of the Vice-Chancellor to see that the Act, the Statutes and the Regulations are faithfully observed.

(3) The Vice-Chancellor shall have power to convene meetings of the Court, the Council, the Senate and the Syndicate, and to perform all such acts as may be necessary to

carry out or further the provisions of the Act, the Statutes and the Regulations.

(4) If any emergency arises which in the opinion of the Vice-Chancellor, requires that immediate action should be taken, the Vice-Chancellor shall take such action as he deems necessary, and shall report the fact to the authority which, in the ordinary course, would have dealt with the matter.

10. (1) The Pro-Vice-Chancellor shall be elected by the Court. The appointment shall be subject to approval by the Visitor.

(2) He shall hold office for such period and under such conditions as shall, from time to time be determined by the Court.

(3) Casual vacancies in the office of the Pro-Vice-Chancellor shall be filled up by the Vice-Chancellor, with the approval of the Chancellor and the Visitor. The person so appointed shall hold office till the next meeting of the Court.

11. The Pro-Vice-Chancellor shall be *ex-officio* Secretary of the Court and the Council. He shall be the executive assistant of the Vice-Chancellor in all matters affecting the discipline of the graduates and under-graduates.

12. (1) The Registrar shall be a whole-time paid officer of the University, and shall be appointed by the Council. He shall be *ex-officio* Secretary of the Senate and the Syndicate. He shall hold office for a term of five years.

(2) The Registrar may be a member of the Senate but shall not be a member of the Syndicate.

(3) It shall be the duty of the Registrar—

(a) to be the custodian of the records, Common Seal and such other property of the University as the Syndicate shall commit to his charge.

- (b) to act as Secretary to the Senate and the Syndicate, and to attend, as far as possible, all meetings of the Senate, Syndicate, Faculties, and any Committees appointed by the Senate, the Syndicate, or the Faculties, and to keep minutes thereof;
- (c) to conduct the official correspondence of the Senate and the Syndicate;
- (d) to issue all notices convening meetings of the Senate, Syndicate, Faculties, Boards of Studies, Boards of Examiners, and of any Committees appointed by the Senate, the Syndicate, the Faculties or any of the Boards;
- (e) to arrange for, and superintend the examinations of the University at Benares; and
- (f) to perform such other work as may, from time to time, be prescribed by the Syndicate.

13. (1) The Treasurer shall be appointed by the Court.

The Treasurer He shall hold office for the term of one year.

(2) Casual vacancies in the office of the Treasurer shall be filled up by election by the Council. The person so appointed shall hold office for the unexpired period of office of the person in whose place he is elected.

(3) The receipt of the Treasurer for any money payable to the University shall be sufficient discharge for the same.

14. (1) Subject to the provisions of the Act, and save as hereinafter provided in this Statute,

The Court. the Court shall consist of the following persons, namely:—

Class I.—Ex-officio Members—The Chancellor, the Pro-Chancellor, the Vice-Chancellor, and the Pro-Vice-Chancellor for the time being.

Class II.—Donors and their representatives:—

- (a) Every Indian Prince or Chief, contributing a donation of three lakhs of rupees or upwards, or transferring property of the like value, shall be a life-member from the date of the receipt of the donation or of the transfer, and, after his decease, his successor for the time being holding his position as such Prince or Chief, shall be a life-member.
- (b) Every person contributing to the University a donation of one lakh of rupees or upwards, or transferring property of the like value, shall be a life-member from the date of the receipt of the donation or of the transfer.
- (c) Every person contributing to the University a donation of Rs. 10,000 or upwards, or transferring property of the like value, shall be a member for a period of ten years from the date of the receipt of his donation or of the transfer.
- (d) Every person who is a life-member in virtue of Clause (a) may, from time to time, nominate one member. The member so nominated shall continue in office for such period as the nominator may specify to the Registrar, provided that his membership shall determine on the death of the nominator.
- (e) Every person who is a life-member in virtue of Clause (b) may, by notice in writing to the Registrar, nominate one member to hold office for a period of five years.
- (f) Every donor who makes a bequest of Rs. 10,000 or upwards, or of property of the like value may, by or under his will, nominate one person who shall be a member for a period of five years from the receipt of the bequest.
- (g) Every Indian Prince or Chief who makes a permanent annual grant of money to the University shall, subject to the provisions of Clause (j) have, the

- same rights as to membership of, and representation on, the Court as if he had been a donor of such sum as represents the capital value ascertained at a rate of interest of $3\frac{1}{2}$ per cent, of such annul grant.
- (h) Every other grantor to the University of any annual grant of money, the payment of which is secured by mortgage of immoveable property affording sufficient security for such grant within the provisions of the *Explanation* to Section 66 of the Transfer of Property Act, 1882, and effected by duly executed instrument in a form approved by the Council, shall, subject to the provisions of Clause (j), have the same rights as to membership of, and representation on, the Court as if he had been a donor of a sum calculated in the manner prescribed in Clause (g).
- (i) The amounts of donations specified in Clauses (a), (b), (c), (f), and in Class III (b) may, for the purpose of qualifying the donors within those provisions, be made up partly of money or of capitalised grants, as provided in Clauses (g) and (h) or of property, or partly of any two or more of these.
- (j) When an annual grant is not fully paid up or falls in arrears, the grantor shall not be entitled to exercise any of the privileges conferred on him by any of the foregoing Clauses of this Statute, unless and until the said arrears are paid up.
- Class III.—Elected Members:—*
- (a) Ten persons, to be elected by the registered graduates of the University from such date as the Court may fix.
- (b) Thirty persons to be elected by registered donor of Rs. 500 or upwards.
- Provided that, whenever the number of such donors falls below fifty, there shall be no election until the

number of such donors again attains or exceeds fifty.

- (c) Ten persons to be elected by the Senate,
- (d) Fifteen representatives of Hindu religion and Sanskrit learning to be elected by the Court.
- (e) Ten persons elected by the Court to represent Jain and Sikh Communities.
- (f) Ten persons to be elected by the Court to represent the learned professions.
- (g) Such other persons, not exceeding twenty in number, as may be elected by the Court.

(2) The foregoing provisions of this Statute shall, as far as may be, be applicable to the first Court:

Provided that, in the case of the first Court, the ten persons specified in Group (c) of Class III shall be appointed by the Vice-Chancellor, with the approval of the Governor-General in Council.

(3) When any electoral body, entitled to elect a member or members, fails to do so within the time prescribed by the Court, the Court may appoint any qualified person of the Class from which such electoral body was entitled to elect.

(4) Save when otherwise expressly provided, members shall hold office for five years:

Provided that, as nearly as may be one fifth of the total number of the members of the first Court in each of the Groups of Class III shall retire by ballot at the end of each year for the first four years.

(5) All casual vacancies among the appointed or elected members shall be filled, as soon as conveniently may be, by the person or body who appointed or elected the member whose place has become vacant, and the person appointed or elected to a casual vacancy shall be a member for the residue of the term for which the person, in whose place he is appointed or elected, was a member.

15. The Court shall exercise control over the Senate through the Council and not otherwise, and over the Faculties through the Council and Senate and not otherwise, and over the Council by means of Statutes and Resolutions passed at a meeting of the Court and not otherwise.

16. (1) As soon as may be after the commencement of the Act, the first Court shall assemble at such place and time, as the Chancellor may direct, in order to make the necessary appointments and elections for the purpose of the Act and Statutes.

(2) An Annual Meeting of the Court shall be held during the month of October in each year, unless some other month be fixed by resolution at a previous Annual General Meeting, on such day and at such hour as shall be appointed by the Council. And at such yearly meeting, a report of the proceedings of the Council and of the University, together with a statement of the receipts and expenditure and the balance-sheet as audited, shall be presented by the Council to such meeting, and any vacancies among the officers of the University or among the members of the Court or Council which ought to be filled up by the Court, shall be filled up.

(3) A copy of the statement of receipts and expenditure and of the balance-sheet referred to in Clause (2) shall be sent to every member of the Court at least seven days before the date of the Annual Meeting, and shall be open to the inspection of all members of the Court and Senate at the office of the University during the year following such Annual Meeting, at such reasonable hours and under such conditions as the Council may determine.

(4) Twenty members of the Court shall form a *quorum*.

(5) Special General Meetings of the Court may be convened by the Council at any time.

17. (1) The Council shall consist of the following persons, namely :—
The Council.

(i) The Vice-Chancellor and the Pro-Vice-Chancellor for the time being.

(ii) Not more than thirty elected members, of whom five shall be members of the Senate elected by the Senate, and the remainder members of the Court elected by the Court.

(2) Not less than five of the members to be elected by the Court shall be residents of places out-side the United Provinces of Agra and Oudh.

(3) At the first election of members of the Council by the Court, it shall proceed in the first place to elect twenty members. The Court shall, as soon as the result of the election is declared, proceed to determine the Province, or Provinces, or States, from among the residents of which the remaining five members are to be elected, and assign to each Province or State the number of member or members to be elected.

(4) At each subsequent election, as nearly as may be, four-fifths of the vacancies shall be first filled up. The remaining one-fifth of the vacancies shall then be filled up to secure representation of Provinces and States, on the same lines *mutatis mutandis* as provided in Sub-section (3)

(5) The elected members of the Council shall hold office for the term of three years ;

Provided that, at the First Annual Meeting of the Court, and at the Second Annual Meeting of the Court, as nearly as may be, one-third of the first elected members shall retire by ballot.

(6) All casual vacancies among elected members may be filled up by the body which elected the member whose place has become vacant.

(7) Seven members of the Council shall form a *quorum*.

18. (1) The Council shall, subject to the control of the Court, have the management and administration of the whole revenue and property of the University and the conduct of all administrative affairs of the University not otherwise provided for.

(2) Subject to the Act, the Statutes and any Regulations made in pursuance thereof, the Council shall in addition to all other powers vested in it, have the following powers, namely:—

- (i) To appoint, from time to time, Principals of Colleges and such University Professors, Assistant Professors, Readers, Lecturers and other members of the teaching staff as may be necessary on the recommendation of the Board of Appointments.
- (ii) In the case of other appointments, to delegate, subject to the general control of the Council, the power of appointment to such authority or authorities as the Council may, from time to time, by resolution, either generally or specially direct.
- (iii) To manage and regulate the finances, accounts, investments, property, business and all other administrative affairs of the University and, for that purpose, to appoint such agents as it may think fit.
- (iv) To invest any moneys belonging to the University, including any unapplied income in such stocks, funds, shares, or securities as it shall, from time to time, think fit, or in the purchase of immoveable property in India, with the like power of varying such investments from time to time.
- (v) To transfer or accept transfers of any moveable or immoveable property on behalf of the University.
- (vi) To provide the buildings, premises, furniture and apparatus, and other means needed for carrying on the work of the University.

- (vii) To enter into, vary, carry out, and cancel contracts on behalf of the University.
- (viii) To entertain, adjudicate upon, and, if thought fit, redress any grievances of the officers of the University, the Professors, the Teaching Staff, the Graduates, Under-graduates and the University servants, who may, for any reason, feel aggrieved, otherwise than by an act of the Court.

Provided that nothing in this provision shall be deemed to confer on the Council any power to interfere in any matter of discipline in regard to Graduates and Under-graduates.

- (iv) To maintain a register of donors to the University.
- (v) To select a Seal for the University, and provide for the custody and use of the Seal.

19. (1) The Senate shall, save as hereinafter provided in this Statute, ordinarily consist of not less than fifty members, of whom not less than three-fourths shall be Hindus, and shall include the following persons, namely:—

Class I.—Ex-officio members.

- (a) The Chancellor, the Pro-Chancellor, the Vice-Chancellor and the Pro-Vice-Chancellor for the time being.
- (b) The University Professors.
- (c) The Principals or Heads of Colleges.

Class II.—Elected members.

- (a) Five members to be elected by the Court.
- (b) Five members to be elected by the registered graduates of the University from such date as the Court may fix.
- (c) Five representatives of Hindu religion and Samskrit learning to be elected by the Senate.

- (d) Ten representatives to be elected by the Senate from persons engaged in the teaching work of the University or its Colleges.
- (e) Should the Vice-Chancellor declare that there is a deficiency in the number of members required in any Faculty or Faculties, then five or less persons elected by the Senate, eminent in the subject or subjects of that Faculty or those Faculties.

Class III.—Nominated members.

- (a) Five members to be nominated by the Visitor.
- (2) The foregoing provisions of this Statute shall as far as may be, be applicable to the first Senate.
- (3) The elected and nominated members of the Senate shall hold office for five years;

Provided that, as nearly as may be, one-fifth of the total number of the members of the first Senate shown in each of the Groups of Class II and of those shown in Class III shall retire by ballot at the end of each year for the first four years.

(4) All casual vacancies among elected members may be filled up by the body which elected the member whose place has become vacant.

(5) Fifteen members of the Senate shall form a *quorum*.*

20. (1) The Senate shall be the academic body of the University and, subject to the Act, the Powers of the Senate. Statutes and Regulations of the University, shall have entire charge of the organization of instruction, courses of the study and the examination and discipline of students (save so far as matters of discipline rest with the Pro-Vice-Chancellor and the Heads of Colleges) and the conferment of ordinary and honorary degrees.

(2) Subject to the Act and the Statutes and any Regul-

*Modified by Statute 61, *infra*.

ations made in pursuance thereof, the Senate shall, in addition to all other powers vested in it, have the following powers, namely ;—

- (i) To report on any matter referred to or delegated to them by the Court or the Council.
- (ii) To discuss, and declare an opinion on, any matter whatsoever relating to the University.
- (iii) To make recommendations to the Council or to the Board of Appointments as to the removal of any Professor or Teacher of the University or of its Colleges, or as to the appointment of additional Professors or Teachers for the University or its Colleges.
- (iv) To formulate and modify or revise schemes for the organization of Faculties and to assign to such Faculties their respective subjects and also to report to the Council as to the expediency of the abolition, combination, or sub-division of any Faculty.
- (v) To fix, subject to any conditions made by the founders which are accepted by the Court, the times and mode and conditions of competition for Fellowships, Scholarships, and other Prizes, and to award the same.
- (vi) To promote research within the University and to require, from time to time, reports on such research.
- (vii) To maintain a register of graduates.

21 The Syndicate shall be the executive body of the of the Senate, and shall consist of the The Syndicate. Vice-Chancellor, the Pro-Vice-Chancellor and fifteen persons elected by the Senate, of whom not less than ten shall be University Professors or Principals or Professors of Colleges.

(2) The elected members of the Syndicate shall hold office for three years ;

Provided that, as nearly as may be, one-third of the elected members of the first Syndicate shall retire by ballot at the end of each year, for the first two years.

(3) All casual vacancies among elected members may be filled up by the Senate.

(4) Five members of the Syndicate shall be a *quorum*.

22. It shall be the duty of the Syndicate, subject to the
Duties of the Syn-
 dicante. revision and control of the Senate,—

- (i) to order examinations in conformity with the Regulations, and to fix dates for holding them ;
- (ii) to appoint Examiners, and, if necessary, to remove them, and, subject to the approval of the Council, fix their fees, emoluments and travelling and other allowances, and to appoint Boards of Examiners and Moderators ;
- (iii) to appoint, whenever necessary, Inspectors or Boards of Inspectors for inspecting Colleges applying for admission to the privileges of the University ;
- (iv) to declare the results of the various University examinations, and to recommend for degrees, honours, diplomas, licenses, titles and marks of honour ;
- (v) to award stipends, scholarships, medals, prizes and other rewards, in conformity with the Regulations and the conditions prescribed for their award ;
- (vi) to consider and make such reports, or recommend such action, as may be deemed necessary, on proposals or motions brought forward by the members of the Senate and Faculties, for consideration by the Senate ;
- (vii) to publish lists of prescribed, or recommended text-books and to publish statements of the prescribed courses of study ;

(viii) to prepare such forms and registers as are, from time to time, prescribed by the Regulations; and, generally,

(ix) to perform all such duties and to do all such acts, as may be necessary for the proper carrying out of the provisions of the Act, and the Statutes and Regulations or the resolutions of the Senate.

23. (1) The University shall include the Faculties of
The Faculties. (1) Oriental Learning, (2) Theology,
(3) Arts, (4) Science, Pure and Applied,
(5) Law, and, as soon as the Visitor is satisfied that sufficient funds are available for the purpose, of (6) Technology, (7) Commerce, (8) Medicine and Surgery, (9) Agriculture, and other Faculties.

(2) The Senate shall annually assign its members to different Faculties.

(3) The method of assignment of members to the Faculties, the meetings of the Faculties, and their power of co-opting additional members shall be provided for by Regulations;

Provided that the members assigned to the Faculty of Theology shall all be Hindus.

24. (1) The Faculties shall have such powers, and shall
Powers of Faculties perform such duties, as may be assigned to them by the Statutes and the Regulations, and shall from time to time, appoint such and so many Boards of Studies, in different branches of knowledge as may be prescribed by the Regulations. They shall also consider and make such recommendations to the Senate on any question pertaining to their respective sphere of work as may appear to them necessary, or on any matter referred to them by the Senate.

(2) Five members, in the case of the Faculty of Arts, and three members, in the case of the other Faculties, shall constitute a *quorum*.

25. Convocations of the University for the conferring of degrees, or for other purposes, shall be held in a manner to be prescribed by Regulations.

26. The Court, Council, Senate, Syndicate and the Committees. Faculties may, from time to time, appoint such and so many standing and special Committees or Boards as may seem to them fit, and may, if they think fit, place on them persons who are not members of the appointing bodies. Such Committees may deal with any subject delegated to them, subject to subsequent confirmation by the appointing body.

Board of Appointments. (27). 1. The Board of Appointments shall consist of--

- (i) The Vice-Chancellor.
- (ii) The Pro-Vice-Chancellor.
- (iii) Two members to be elected by the Court.
- (iv) Two members to be elected by the Council.
- (v) Two members to be elected by the Senate,
- (vi) Two members to be elected by the Syndicate.

(2) The elected members shall hold office for the term of two years. One member from each electing body, to be determined by ballot, shall retire at the end of the first year.

(3) The Vice-Chancellor shall preside at the meetings of this Board or, in his absence, the Pro-Vice-Chancellor.

(4) The meetings of the Board shall be convened by the Vice-Chancellor or Pro-Vice-Chancellor, or, when so directed by the Syndicate, by the Registrar.

(5) The Board shall consider and submit recommendations as to all appointments referred to it.

28. No act or resolution of the Court, the Council, the Senate, the Syndicate or the Faculties or any other authority shall be invalid by reason only of any vacancy in the body

Act during vacancies.

* See proviso added by Statute 62, *infra*.

doing or passing it or by reason of any want of qualification by, or invalidity in, the election or appointment of any *de-facto* member of the body, whether present or absent.

29. Where, by the Statutes or Regulations, no provision is made for a President or Chairman to preside over a meeting of any University authority, Board or Committee, or when the President or Chairman so provided for is absent, the members present shall elect one of their number to preside at the meeting.

Elected Chairman to preside where no provision made by the Statute.

30. Every officer of the University and every member of any University authority, whose term of office or of membership has expired, shall be eligible for reappointment or re-election, as the case may be.

Re-appointment and re-election.

31. Any member of the Court, the Council, the Senate or the Syndicate or any other University authority may resign by letter addressed to the Secretary in the case of the Court, and to the Registrar in all other cases.

Resignation.

32. A member of the Court or the Senate may be removed from office on conviction by a Court of Law of what, in the opinion of the Court or the Senate, as the case may be, is a serious offence involving moral delinquency;

Removal.

Provided that a Resolution for the removal of any such member is approved by not less than two-thirds of the members present at the meeting of the Court or the Senate, as the case may be, at which such a Resolution is proposed;

And provided further that such a resolution is confirmed by a like majority at a subsequent meeting of the Court or Senate, as the case may be.

*Statutes made by the Court under Sub-section (3) of
Section 17 of the Act*.*

33. Notices of the Annual General Meeting shall be issued by the Secretary, at least 30 days before the date of the meeting, with an Agenda paper and, no business, not arising out of matters noted or mentioned in such Agenda paper, shall be considered, unless the consent of at least two-thirds of the members of the Court present at the meeting be obtained thereto.

34. Every member who intends to bring forward any special business at the Annual General Meeting, or to propose any person for election as Chancellor, Pro-Chancellor, Treasurer, or Auditor, or as a member of the Court or of the Council, shall give notice of such business, or of the name of the person to be proposed, to the Secretary, at least 20 days before the day appointed for such meeting. Every member who intends to propose an amendment shall give notice thereof to the Secretary ten days before the date fixed for the meeting.

35. Fourteen days' notice of any Special General Meeting, stating generally the nature of the business to be transacted, shall be sent to each member of the Court, and no such meeting shall be competent to transact any business other than that mentioned in the notice or directly arising out of it.

Procedure at meetings to be regulated by rules to be made by the Court.

36. The procedure at meetings shall be in accordance with rules to be made by the Court in that behalf.

* Received the approval of the Visitor, under Sub-section (5) of Section 17 of the Act, on the 12th and the 30th August, 1916.

37. Each Faculty shall, at its first meeting, elect one of its members as the Dean of the Faculty, who shall hold office until the appointment of a Dean for the next following year at the next Annual meeting of the Faculty.

Deans of the Faculties.

38. In the event of the office of Dean being vacated in the course of the year, the Faculty shall elect a new Dean within one month of the occurrence of the vacancy, or as soon thereafter as may be practicable.

Vacancy in the office of Dean of Faculty.

39. Contracts made by or on behalf of the University shall be validly made, and binding on the University if made, as follows :—

Contracts.

- (a) Any contract, which, if made between private persons would by law be required to be in writing and, if required by the law in force in British India to be registered, may be similarly made on behalf of the University in writing under its Common Seal and registered, and such contract may in the same manner be varied or discharged.
- (b) Any contract, which, if made between private persons would by law be required to be in writing and signed by the parties to be charged therewith, may be made on behalf of the University in writing signed by any person acting under the express or implied authority of the Council, and such contract may in the same manner be varied or discharged.
- (c) Any contract which if made between private persons would by law be valid, although made verbally only and not reduced into writing, may be made either in writing or verbally on behalf of the University by any person acting under the express or implied authority of the Council, and such contract may be in the same way varied or discharged ;

Provided always that no contract exceeding Rs. 500 in amount or value shall be made except in writing.

- (d) The Council shall from time to time appoint such person or persons as it may think proper, either by office or by name, to enter into, execute and sign contracts for and on behalf of the University, and to present them for registration and to register the same according to the law in force for the time being.

40. At the first meeting of the Court convened under the orders of the Chancellor, under Statute 16, the Vice-Chancellor shall lay on the table a list showing the names and addresses of all the donors who have paid to the Hindu University Society or to the University a donation of Rs. 500 or upwards, or have, where permitted by the Statutes, given property of the said value or more. The list shall be compiled from the accounts kept by the Hindu University Society. Any errors or omissions in the said list may be rectified by an order of the Vice-Chancellor.

41. The names and addresses of all persons who have paid or may hereafter pay a sum of Rs. 500 or upwards to the University, shall be entered in the said list, from time to time, by the Secretary of the Court.

42. Every person whose name is entered in the said list, shall be deemed to be a registered donor within the meaning of the Statutes and entitled to vote at the election.

43. Where the donors of a sum of Rs. 500 or upwards, are more persons than one, who constitute a joint Hindu family, or a partnership firm, or a company or corporation, the Secretary shall call upon such donors to elect, within a time to be fixed by him, one of their number to represent and

Donors' list.

Future donors.

Registered donors.

Nomination of representatives of joint family, etc.

act for them in voting at the election. If such donors fail to elect and notify the name and address of the person so elected by them, within the time specified in the notice, or within such further period of time as may be allowed by the Secretary, or are unable to agree as to the person who should represent them for the purpose of voting at the election, the Secretary shall lay the matter for orders before the Vice-Chancellor, who may nominate any one of their number to represent them at the election for the purpose of voting. The orders of the Vice-Chancellor shall be final. The name of the person so elected or nominated to represent such donors, shall be entered in the column of remarks against the names of donors and for purposes of serving all notices of elections, of making nominations of persons to be elected and for voting at the election, the person so noted as the representative of such donors, shall be deemed to be the person entitled to act as one of the electors.

44. Where the elector is an Indian Prince or Chief not invested with the powers of administration of the affairs of his State, the Council of Regency or other duly constituted authority in charge of the administration of such State, shall be entitled to exercise the right of an elector, so long as the Indian Prince or Chief is not so invested.

45. Where the donor is a minor or a person suffering from a disability, or a ward of the court, the legal guardian of such person shall be entitled to act for him at such election as a voter, so long as the minority or disability continues or so long as he is a ward of the court. Where the same person is not the guardian of the person and property of a minor, the guardian of the property shall be deemed to be the guardian within the meaning of this Statute.

46. Whenever there are one or more vacancies in the Court for election, the Secretary shall cause notice to be issued showing the number of such vacancies and specifying

a time within which nominations to fill up the vacancy may be made. Such notice shall be posted to the registered address of each elector whose name is entered in the said list. The time specified for depositing the nomination papers with the Secretary shall not be less than 30 days from the date on which such notice is posted.

47. Each elector shall nominate such or so many persons
Nomination by electors. as there are vacancies to fill up and shall deliver in the Secretary's office such nomination paper in a sealed cover, on or before the said date, or may send his nomination paper in a sealed cover by registered post in time to reach the Secretary on or before the said date.

48. Such nomination papers shall be signed by the
Signature and authenticating nomination papers. elector, who shall give the name or names of the person or persons proposed by him for election together with his or their qualifications. A person unable to sign his name may put his seal or mark instead. The seal or mark shall be made in the presence of and witnessed by not less than two witnesses who shall attest the same. In such case, as also in the case of *parda-nashin* ladies, their signatures or seal or mark shall be authenticated by at least two such witnesses before a magistrate or judicial officer or other person entitled to attest affidavits for use in a court of justice.

49. The Secretary shall provide for the custody of such
Custody of nomination papers. nomination papers, which shall be kept in the sealed covers unopened until the day after the last day fixed for receiving such nomination papers. On the said day, the Secretary shall open the said covers and scrutinize them.

50. The Secretary shall then prepare a list of persons who
List of persons nominated. have been duly nominated and print his or their name or names and address or addresses together with his or their qua-

fications on a voting paper. One such voting paper shall be posted under registered cover to the name and registered address of each elector. The voting paper shall state the time and date on or before which the voting paper must be delivered in a sealed cover to the Secretary or posted to him in a registered cover so as to reach him on or before the date and time fixed for the delivery of such paper.

51. The elector shall put a cross mark \times against the name of the person or persons for whom he votes and strike out the names of the other persons for whom he does not vote. Election how to be made. Such voting paper shall be signed by the elector and the provisions of Statute 48 shall apply to the case of persons unable to sign their own names and to the case of *pardanashin* ladies.

52. Each elector may vote for the election of as many persons as there are vacancies, but he shall not be entitled to give more than one vote to each person. Voting by electors.

53. The voting papers shall be put in sealed covers by the voters which shall be delivered in the Secretary's office on or before the date and time fixed for the delivery of voting papers or posted by registered post so as to reach the Secretary before the said time and the said date. Delivery and custody of voting papers.

54. The voting papers shall be opened and scrutinized by the Secretary as soon as the time for the delivery of voting papers has expired. Candidates for election or their agents may be present at such scrutiny. The Secretary shall prepare a return of the votes obtained by each person nominated. Scrutiny of voting papers.

55. The person or persons who have obtained the highest number of votes shall be declared to have been duly elected to fill up the vacancy or vacancies. Declaration of the result of voting.

56. Where two or more persons have obtained an equal number of votes and the vacancies available are less in number, the Secretary shall report the case to the Vice-Chancellor, who shall, on a date and time to be appointed, determine, by drawing lots in such manner as he may consider advisable, which of the aforesaid persons shall be deemed to have been elected.

Election in case of ties.

57. All objections to the voting papers, or the decisions of the Secretary on any point, may, at once, be referred by the persons aggrieved to the Vice-Chancellor, whose order in such matters shall be final.

Reference to Vice-Chancellor of objection to voting papers or to decisions of the Secretary.

58. The Secretary shall, as may be necessary, prepare and print forms of nomination and voting papers for the use of the electors.

Forms of nomination and voting papers.

59. No election shall be deemed to be invalid by reason of the notice under Statute 46 or the nomination paper posted to any elector being not delivered to him, for any reason, by the postal department.

Irregularity in postal delivery.

60. The term 'Secretary' in Statutes 33 and 34 and in Statutes 40 to 60 shall mean the Secretary of the Court, or in his absence or illness, or in case of no person being appointed to hold the said office at any time, such person as the Vice-Chancellor may nominate, for the time being, to perform under these Statutes the duties of the Secretary.

Definition of "Secretary."

61. To add to Sub-section (5) of Statute 19 of Schedule I of the Act, the following proviso:—
"Provided that at the first meeting of the Senate and at all other meetings of the Senate held on or before 1st April, 1918, eight members thereof shall form the *quorum*."

Addition to Statute 19.

62. To add to Sub-section (1) of Statute 27 of Schedule I of the Act, the following proviso:—

“Provided that until the first Syndicate is constituted, the two members to be elected by the Syndicate under Sub-clause (vi) shall be elected by the Senate. The members so elected under the proviso shall cease to be members of the Board as soon as the Syndicate has elected the two members under this Sub-clause.”

Addition to Statute 27.

63. *To add the following temporary Statute:—

“Notwithstanding anything to the contrary contained in the Statutes in Schedule I of the Act, the Annual Meeting of the Court, to be held in October 1917, shall be deemed to be the First Annual Meeting of the Court, and all members of the Court and Officers of the University whose term of office would otherwise have expired prior to that date shall continue to hold their respective offices until the close of the Annual Meeting of 1917.”

Extension of the term of the members of the Court and Officers.

64. Instruction in Hindu religion shall, in the case of Hindu students, be compulsory and shall be confined to them.

Religious instruction compulsory to Hindus.

65. The Faculty of Theology shall be in charge of the religious instruction of the Hindu students of the University, and it shall also organize studies in religion and the examinations therein.

Faculty of Theology to organize studies in religion.

66. The Faculty shall appoint a Committee to organize and supervise religious worship and instruction in the University hostels. Such Committee shall prescribe the book or books, or selections from recognized

Faculty of Theology to appoint Committee for religious worship and instruction in hostels.

* Received the sanction of the Governor-General in Council under Sub-section (5) of Section 17 of the Act, on the 8th September, 1916, *vide* No. 854 (Government of India—Education Department), bearing that date.

religious works to be studied by the students of the University; and shall, subject to the sanction of the Council, appoint such and so many teachers of religion as may be required for the said purpose, and draw up a scheme of studies for the approval of the Faculty. It shall also arrange for recitations from religious works and lectures on religion.

67. Students of the Hindu faith shall attend the course of religious instruction, recitations and religious lectures, etc. Attendance at lectures. A record of such attendance shall be kept, and the Committee shall, from time to time, report the names of students who neglect to attend the said lectures, etc., to the Students' Residence Committee. Failure to attend the said lectures without good cause shall render a student liable to such penalty or penalties as the Students' Residence Committee may think fit to impose.

68. The Committee in charge of religious instruction shall consist of seven members professing the Hindu faith, to be elected by the Faculty of Theology for a term of three years. The Faculty shall also nominate one of the members as its Convener, who shall be responsible for convening the meeting and for keeping a correct record of the proceedings of the Committee.

69. In case of any emergency, when it is not practicable to convene a meeting of the Committee, the Convener shall pass such orders and take such action as may be required, and report the same to the next meeting of the Committee.

70. The Committee shall, ordinarily, meet once a month, on such date and at such time as the Convener may appoint. He may also convene such other meetings as may be necessary.

71. Instruction in Hindu religion shall be based on the principles and tenets which are accepted by the principal denominations of the Hindu religion. Provision may be made for instruction in the special tenets of such denominations, when required, with the sanction of the Faculty of Theology. Attendance at such courses of instruction will be optional,

Basis of instruction
in Hindu religion.

72. The Council shall provide funds and make such arrangements as may be necessary for the maintenance and management of the Central Hindu School now in existence, and for the expansion and improvement of the same.

Provision for main-
tenance, etc., of Cen-
tral Hindu School.

73. The said School shall comprise the following departments, *vis.*:—

Departments of
the School.

- (a) One for the instruction and training of students up to the standard of the Admission Examination of the University in Arts and Science ;
- (b) One for the instruction and training of students for the Admission Examination to the Faculties of Oriental Learning and Theology ;
- (c) One for the instruction and training of students for the Faculty of Technology (when constituted).

74. Provision for instruction in religion for Hindu students shall be made in all departments of the said School.

Religious instruc-
tion in the School

75. Each such department shall be in the charge of a qualified Head or Superintendent acting under the Headmaster, assisted by such and so many subordinate teachers as may be required.

Each department
of the School to be
in charge of a Head.

6. The Syndicate shall consider each such resolution, of which notice has been given in accordance with the foregoing Regulation and shall cause it to be placed on the agenda paper of the meeting at which its discussion is intended by the proposer ; provided that the Syndicate may exclude from the agenda paper any proposed resolution, (a) which deals in whole or in part with any decision of the Senate adverse to its terms which has been arrived at in any meeting of the Senate held within one year previous to that at which its discussion is intended, or (b) which is repugnant to the Act and the Statutes.

The Registrar shall inform the proposer in each such case of exclusion, and the Syndicate shall report the fact of exclusion at the meeting at which the discussion of the resolution was intended, or if there be no other business for that meeting, at the next meeting of the Senate.

7. No resolution, proposal, or other matter of business which has not been submitted to the Syndicate shall be brought before the Senate at any meeting, except as provided for in Clause 15.

8. The Registrar shall, not less than 15 days previous to each Ordinary or Extraordinary Meeting of the Senate, issue to each member, a notice stating the time and place of meeting ; and this notice shall be accompanied by an agenda paper showing the business to be brought before the meeting, and, except as provided for in Clause 15, or by special permission of the Chairman, no resolution, proposal, or other matter of business which is not entered on the agenda paper shall be brought before the meeting ; provided that the Syndicate may, for reasons of urgency, bring any business before any meeting of the Senate, without notice being given in the agenda paper.

9. In the case of Special Meetings, the Registrar shall give such previous notice of the time and place of meeting as the circumstances in each case may permit, but, except in

regard to this particular, the provisions of Regulation 8 shall apply to such meetings.

10. At any Special Meeting of the Senate, any member may bring forward any amendment without previous notice being given.

11. At the time fixed for a meeting of the Senate, the Vice-Chancellor, or in his absence the Pro-Vice-Chancellor shall take the Chair and shall ascertain whether a quorum is present or not. If a quorum be present, he shall declare the meeting constituted, and shall proceed with the business of the meeting. If a quorum be not present, he shall wait for fifteen minutes after the time fixed for the meeting, and if no quorum be then present, he shall declare the meeting dissolved. Every such dissolution shall be recorded by the Registrar, and the record shall be signed by the Chairman. If neither the Vice Chancellor nor the Pro-Vice-Chancellor is able to attend, the members present, in the event of there being a quorum, shall elect one of themselves as Chairman for the meeting and shall proceed with the business.

12. All questions considered at meetings of the Senate shall be decided by a majority of the votes of the members present. If the votes be equally divided, the Chairman shall have a second or casting vote.

13. Every motion shall be affirmative in form and shall begin with the word 'that.' It shall be open to discussion on being moved and seconded.

14. Not more than one motion and one amendment thereto shall be placed before a meeting at the same time.

15. A motion—

- (a) for change in the order of business as stated in the agenda paper,
- (b) for the adjournment of the meeting or discussion,
- (c) that the meeting pass to the next business on the agenda paper,

- (d) for dissolution of the meeting,
- (e) for directing the Syndicate, a Faculty, or any Committee to report at a subsequent meeting of the Senate,
- (f) for appointment of a Committee to inquire into and report on any matter before the Senate.

may be made at any time, as a distinct question, but not as an amendment, nor whilst a member is speaking, and no previous notice shall be necessary.

16. Any motion made under Regulation 15 shall take precedence of any question that may be before the meeting, and, if not withdrawn, must be disposed of before such question.

17. A motion for the adjournment of a meeting or of a debate on any particular question may be made at any time, but shall not be made so as to interrupt a speech. If a motion for the adjournment of the meeting be carried, the meeting shall thereupon adjourn to the time specified in the motion. If a motion for the adjournment of the debate be carried, the debate shall thereupon be adjourned to the time specified in the motion. The meeting shall thereupon pass to the next business, if any, on the agenda paper. If either of such motions be negatived, the business of the meeting or the debate, as the case may be shall be resumed.

18. A motion for the adjournment of a meeting shall be in the form, 'that this meeting do now adjourn to,' followed by words indicating the day and hour proposed for the adjourned meeting. A motion for the adjournment of a debate shall be in the form, 'that the debate on this question be now adjourned to,' followed by words indicating the day and hour. Ordinarily, a meeting or debate shall only be adjourned to the day following the meeting.

19. No amendment shall be proposed to a motion for adjournment of the meeting or of the discussion, except one substituting a time other than that proposed for such adjourn-

ment. A meeting or discussion continued on adjournment, shall be deemed one with that preceding adjournment.

20. A motion to pass to the next business shall be in the form, 'that this meeting do now pass to the next business on the agenda paper,' and may be moved at any time, but not so as to interrupt a speech. If the motion be carried, the motion under discussion, together with any amendments to it, shall drop.

21. A motion for the dissolution of the meeting shall be in the form, 'that this meeting do now dissolve,' and may be made at any time, but not so as to interrupt a speech. If such a motion be carried, the business still before the meeting shall drop, and the Chairman shall declare the meeting dissolved.

22. A motion directing the Syndicate, a Faculty or any Committee to review or to consider its decision or recommendation, may be made at any time during the discussion on any such decision or recommendation, but shall not be made so as to interrupt a speech. The motion shall clearly specify the matter thus referred back to the Syndicate or the Faculty for review or reconsideration, and may also indicate generally the sense or direction in which the mover desires alteration in such decision or recommendation. The motion may also include an instruction that the Syndicate or the Faculty shall report at the next or at some other meeting of the Senate.

23. A motion for the appointment of a Committee to consider any question before the Senate at the time, shall state the purpose for which the Committee is to be constituted and the names of its members.

Amendments.

24. Save as provided in Regulation 10 of this Chapter, notice of every amendment to be brought forward for the consideration of the Senate, shall be given by the proposer not less than three clear days before the date fixed for the meeting. Such notice shall state the precise terms of the

amendment intended to be proposed. The Registrar shall circulate the notice to the members and, except with the special permission of the Vice-Chancellor or the Chairman of the meeting, no amendment, of which such notice has not been given, shall be considered by the meeting.

25. No amendment shall be proposed which would reduce a motion to its negative or opposite form.

26. No amendment shall be proposed which substantially raises a question already disposed of by the meeting, or is inconsistent with or adverse to any resolution already passed by the meeting.

27. The order in which amendments to a motion are to be brought forward shall be determined by the Chairman, and only one amendment shall be proposed at one time.

28. An amendment must be seconded in the same way as a motion; otherwise it shall drop.

29. When an amendment has been moved and seconded, it shall, unless ruled out of order, be stated from the Chair, and the debate may then proceed on the motion and the amendment together.

30. No motion or amendment shall be withdrawn from the decision of the meeting, without its unanimous consent; but this consent shall be presumed if the mover state his wish to withdraw the motion or amendment, and the Chairman, after an interval during which no dissent is expressed, announce that it is withdrawn.

31. Any motion or amendment standing in the name of a member, who is absent from the meeting, or who declines to move it, may be moved by any other member. If no member comes forward to move it, the motion or amendment shall drop.

32. The member who first rises to speak at the conclusion

of a speech has the right to be heard. In cases of doubt, the Chairman shall decide who is in possession of the meeting.

33. A member having spoken to a motion or amendment, is not at liberty to speak again to such motion or amendment.

34. In so far as the question raised by an amendment is one to which he has not previously spoken, any member may speak to that question, though he has spoken to the original question or to a previous amendment.

35. The Chairman has the same right of moving or seconding or speaking to a motion or amendment as any other member, but he shall, save as provided under Regulation 39, vacate the Chair while so engaged, and the Chair shall during such time be taken by a member nominated by the Chairman. Without leaving the Chair, the Chairman may, however, at his discretion or at the request of any member, explain to the meeting the scope of any motion or amendment.

36. Any member may, with the permission of the Chairman, even whilst another is speaking, rise to explain any misconception of expressions used by him, but he shall confine himself strictly to such explanation.

37. Any member may call the Chairman's attention to a point of order even whilst another is speaking, but no speech shall be made on such point of order.

38. The Chairman shall be the sole judge of any point of order, and may call any member to order, and shall have power to take such action as may be necessary to enforce his decision.

39. Proposals relating to the conferring of Honorary Degrees, votes of thanks, messages of congratulation or condolence, addresses, and other matters of like nature, may be moved from the Chair.

40. The meeting of the Senate held in October or November shall be deemed the Annual Meeting of the Senate.

CHAPTER II.

THE SYNDICATE.

1. Of the fifteen elected members of the Syndicate not less than ten shall be University Professors or Principals or Professors of constituent Colleges. The Senate shall at its first meeting proceed first to elect ten such members and then proceed to elect to the remaining vacancies. At each subsequent election, similar procedure shall be followed *mutatis mutandis*.

2. Any elected member, who has been absent for a period exceeding three months, may be declared by the Vice-Chancellor to have vacated his seat.

3. In the event of a casual vacancy owing to death, resignation or otherwise, the members of the Syndicate shall, subject to the provisions of Section 12 of the Act as to the proportion of the members who must be University Professors or Principals, and Professors of constituent Colleges, appoint a member of the Senate to the vacant membership, to act as a member of the Syndicate, until the next ensuing meeting of the Senate at which such vacancy can be filled up.

4. Any Faculty or member of the Senate shall be at liberty to submit any question to the Syndicate for its consideration and subsequently to bring before the Senate the decision of the Syndicate thereon, with a view to its modification or annulment.

5. The Syndicate shall meet, ordinarily, once a month, except during the vacation, and at other times when convened by the Vice-Chancellor, or, in his absence, by the Pro-Vice-Chancellor.

6. At all meetings of the Syndicate, the Chairman shall have a vote, and, in case of an equality of votes, a second or casting vote.

7. Not less than seven days' notice of a meeting of the Syndicate shall be given by the Registrar, who shall, along with such notice, forward to each member the agenda of the business proposed to be brought forward.

8. In emergent cases, the Vice-Chancellor may dispense with the condition laid down in Regulation 7.

9. Save when otherwise provided for by these Regulations, any one or more of the powers conferred and duties imposed on the Syndicate may, subject to its supervision, control and approval, be exercised and performed by a Subcommittee appointed by the Syndicate for the purpose.

10. In the absence of the Vice-Chancellor and the Pro-Vice-Chancellor, the members present shall elect one of themselves as Chairman for the meeting.

11. The Chairman may at any time apply the rules for the discussion of questions in the Senate to the discussion of any particular question before the Syndicate.

CHAPTER III.

THE FACULTIES.

1. Each Faculty shall, at its first meeting, elect one of its members as the Dean of the Faculty who shall hold office, until the appointment of a Dean for the next year at the Annual Meeting of the Faculty.

2. In the event of the office of Dean being vacated in the course of the year, the Faculty shall proceed to elect a new Dean within one month of the occurrence of the vacancy, or, as soon thereafter as practicable.

3. Every meeting of a Faculty shall be convened by the Registrar, under the orders of the Vice-Chancellor or the Syndicate or the Dean of the Faculty.

4. Each Faculty shall, on a date in October or November to be fixed by the Vice-Chancellor or the Dean, hold a meeting to be called the Annual Meeting of the Faculty.

5. Not less than 14 days' notice shall be given by the Registrar of every meeting of a Faculty.

6. The Dean shall preside at all meetings of the Faculty, but in his absence the members present shall elect one of their number as Chairman of the meeting.

7. The Regulations relating to notice of business contained in Chapter I, shall, so far as may be, apply to all business proposed at a meeting of a Faculty; provided that the Chairman may, for reasons of urgency, bring any matter before any meeting without notice being given in the agenda paper, and provided that any member may, with the permission of a majority of the members present at a meeting, bring forward any matter in that meeting, without notice.

8. The Chairman at a meeting of a Faculty may at his discretion apply the Regulations prescribed for discussion of matters at the Senate.

9. It shall be within the power of the Faculty (1) to appoint a Committee of the Faculty for any purpose within the cognizance or powers of the Faculty, (2) to hold meetings of the Faculty along with any other Faculty or a Committee thereof, for the discussion of any matter of common interest.

10. Copies of the proceedings of all meetings of the Faculty shall be sent to all the members of the Senate.

11. Two or more Faculties may be called upon by the Senate or the Syndicate to meet together for the disposal of any questions affecting more than one Faculty. In such cases the joint meeting shall elect its own Chairman.

12. Each Faculty may at its Annual Meeting co-opt as many members, not exceeding the number of members

assigned to it by the Senate, as it may deem necessary. The members so co-opted shall hold office till the conclusion of the next Annual Meeting of the Faculty.

13. The members so co-opted shall be entitled to vote at all meetings of the Faculty, and be eligible for appointment to the Boards of Studies, and other Boards or Committees of the Faculty.

14. All questions pertaining to the work of a Faculty shall ordinarily be submitted to the Faculty concerned in the first instance.

CHAPTER IV.

THE BOARDS OF STUDIES.

1. The Senate shall, from time to time, determine the subjects for which Boards of Studies shall be constituted in each Faculty and the number of members constituting each Board. The Faculties shall thereupon proceed to appoint such Board or Boards, and appoint a Convener for each Board.

2. The members of the several Boards shall hold office for the term of one year. Vacancies in the course of the year shall be filled by the Faculty concerned.

3. Each Board shall dispose of its business by meetings or correspondence, or by both, as may be convenient.

4. Two or more Boards may be called upon by a Faculty, the Syndicate or the Senate to meet together for the disposal of any question affecting more than one Board. In such cases, the joint meeting shall elect its own Chairman.

5. Meetings of Boards shall be presided over by the Convener of the Board; in the absence, of the Convener, the members present shall elect a Chairman,

CHAPTER V.

THE BOARDS OF EXAMINERS.

1. The Syndicate shall, from time to time, appoint such and so many Boards of Examiners as may be necessary, and prescribe their respective constitution, powers and duties; provided that, for each subject or group of subjects forming part of the course of studies for any examination, at least one external and independent Examiner shall be appointed by the Syndicate.

CHAPTER VI.

THE REGISTRAR AND THE ASSISTANT REGISTRAR.

1. The Registrar shall be appointed for a term of five years, but, on the expiration of his term, shall be eligible for re-appointment.

2. It shall be the duty of the Registrar—

- (a) to be the custodian of the records, Common Seal, and such other property of the University as the Syndicate shall commit to his charge ;
- (b) to act as Secretary to the Syndicate and to attend, as far as possible, all meetings of the Senate, Faculties, Syndicate and any Committees appointed by the Senate, the Faculties, or the Syndicate, and to keep minutes thereof ;
- (c) to conduct the official correspondence of the Senate and the Syndicate ;
- (d) to issue all notices convening meetings of the Senate, Faculties, Syndicate, Boards of Studies, Boards of Examiners, and of any Committees appointed by the Senate, the Syndicate, the Faculties or any of the Boards ;
- (e) to arrange for and superintend the examinations of the University at Benares ; and

(f) to perform such other work as may, from time to time, be prescribed by the Syndicate.

3. The Syndicate shall make arrangements for the discharge of the duties of the Registrar during his absence.

4. The duties of the Assistant Registrar shall, from time to time, be defined by the Syndicate.

5. There shall also be such permanent staff of subordinate assistants and servants as may, from time to time, be sanctioned by the Council. Appointments to such staff shall be made by the Syndicate.

6. The Registrar shall, on application previously made for the purpose of fixing a convenient hour, arrange that any member of the Court or the Senate or of a Faculty, shall have access to the proceedings of the Senate, the Syndicate, or the Faculty, respectively.

CHAPTER VII.

THE LIBRARIAN.

1. The Librarian shall be a whole-time officer and shall be appointed by the Council on the recommendation of the Syndicate with such duties, at such remuneration, and upon such terms and conditions as it shall deem fit.

CHAPTER VIII.

THE UNIVERSITY LIBRARY.

1. The management of the University Library shall be vested in a Library Committee, consisting of (a) the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Librarian as *ex-officio* members; (b) sixteen other members appointed by the Senate (of whom not less than ten shall be Professors or other members of the teaching staff of the

University or Principals or Professors of constituent Colleges) as ordinary members.

2. The Senate shall appoint the members of the Committee in such a way as to secure, as far as possible, the representation of all the Faculties.

3. The appointed members shall hold office for two years.

4. The Librarian shall be the Secretary of the Committee.

5. Five members shall form a *quorum* for a meeting of the Committee.

6. The committee shall report to the Syndicate the amount of money required in each year for the purchase of new books and periodicals, and for the maintenance of the Library.

7. Library assistants and servants shall be appointed by the Library Committee, subject to the general control of the Syndicate.

8. The duties of the Library Committee shall be—

1 to recommend to the Syndicate rules regulating—

- (a) the use of the Library by members of the University and by other persons ;
- (b) the deposit of caution-money for the use of books ;
- (c) the conditions of borrowing and returning books ;
- (d) the imposition of fines or the suspension of privileges for the loss, mutilation or disfigurement of books, or for any breach of the Library rules ;
- (e) the annual inspection of the Library :

- (f) the payment of fees for the use of the Library by persons other than the members of the University ; and
- (g) all other matters relating to the management of the Library ;

II to purchase or acquire books, manuscripts, literary and scientific periodicals, or other publications ;

III to provide such furniture and equipment as may be necessary.

9. The manuscripts shall always be kept under lock and key and shall not be removed without the special permission of the Syndicate, on the recommendation of the Library Committee.

CHAPTER IX.

REGISTER OF UNIVERSITY STUDENTS.

1. The Registrar shall maintain, in such form as the Syndicate may from time to time prescribe, a register of all under-graduates and graduates reading for a higher examination or carrying on research under a Professor, and of all such persons as are allowed by special grace of the Senate to attend lectures or carry on research in the University.

2. All persons registered under the preceeding Clause shall be called "Students of the University."

3. The Syndicate shall prescribe the form of the register mentioned in Regulation I.

4. No person shall be deemed a "University Student," unless and until his name has been duly entered in the register, and none but a "University Student" shall be eligible for admission to any University examination other than the examination for admission to the University.

5. Every student on registration shall be informed, through the Principal of his College, of the registered number

under which his name has been entered in the register, and that number shall be quoted in all subsequent reports concerning that student and in all applications by that student to any University officer.

6. Every student shall be required to pay the University a fee of Rs. 2, when his name is sent in for registration,

No further fee for registration shall be charged, unless a student's name is, on non-payment of fees, absence without notice, or expulsion, struck off the register, in which case he shall pay Re. 1 to have his name re-entered in the University register.

7. Any registered student may at any time receive a certified copy of all entries under his name on payment of Re. 1.

CHAPTER X.

REGISTRATION OF GRADUATES.

1. All graduates of the University shall, on payment of a registration fee of Rs. 5, be entitled to have their names entered in the register of University graduates.

2. Subject to the provision of Statute (20) (2) (vii) the register shall be kept in such form as the Syndicate shall prescribe.

3. Application for entry of name on the register of University graduates shall be ordinarily made within six months of the date on which the degree was conferred on the applicant at the Convocation. After the said period, applicants shall be required to pay a fee of Rs. 10.

4. Each registered graduate shall be required to pay an annual fee of Rs. 2, on or before the 31st January of each year. In case of non-payment before such date, his name shall be removed from such register, but he shall be eligible for re-entry on payment of the fee in arrears.

5. The fees payable for admission and the annual fee payable may be compounded on payment of Rs. 20 at any time.

6. Registered graduates shall be entitled to take part in the Covocations, and shall be entitled to such other privileges and rights as may, from time to time, be conferred in conformity with the Regulations.

CHAPTER XI.

RESIDENCE OF STUDENTS.

1. (a) Every student shall reside in a University hostel, or, if he is a student of a constituent College, in a College hostel, unless allowed by the Pro-Vice-Chancellor to reside with his parents or guardians, under such conditions as the Pro-Vice-Chancellor may, from time to time, prescribe.

(b) A student of a constituent College, which has been admitted to privileges of the University, shall not be permitted by the Pro-Vice-Chancellor to reside elsewhere than in a hostel, save on the recommendation of the Principal of the College concerned.

2. Students in the Faculties of Theology and Oriental Learning shall reside either in the manner prescribed in Regulation 1 of this Chapter, or in *Chhatras* or *ashrams* which are approved by the Pro-Vice-Chancellor.

Every *chhattra* or *ashram*, approved by the Pro-Vice-Chancellor, shall be placed under the complete control of the University, and shall provide adequate supervision or shall permit the provision by the University of such supervision, and shall submit to inspection by the Pro-Vice-Chancellor, and, further, shall comply with the following conditions :—

(i) that the *chhattra* or *ashram* will not permit the residence within it of inmates of an age less than that prescribed in these Regulations for the admission of students to these two Faculties :

- (ii) that the *chhattra* or *ashram* will not permit the residence within it of any inmate who is not a student of the University in one or other of these Faculties.

Should a *chhattra* or an *ashram* fail to comply with one or other of these conditions, the Pro-Vice-Chancellor, after consulting the Syndicate, shall withdraw from that *chhattra* or *ashram* the privilege of receiving students of the University, and the students of the University who are residing in it shall forthwith leave it.

3. No student shall be admitted to the University or to any constituent College until the question of his residence has been settled.

4 For the purpose of these Regulations, the term "guardian" shall mean :—

- (i) the legal guardian of the student if one has been appointed, or, in his absence, or if the student has no parent living, a near relative of responsible age ;
- (ii) a person declared in writing by the student's parent, or, if he has no parent living by one of the persons described in (i) above, to be his guardian ;
- (iii) if the student has no parent, near relative or legal guardian, a person approved by the Pro-Vice-Chancellor.

In all cases, the person declared to be the student's guardian must be approved by the Pro-Vice-Chancellor as a suitable person in age and position to act as guardian.

(a) *University Hostels,*

5. The University shall provide such and so many hostels for the residence of students as may, from time to time, be required.

6. Such hostels shall be constructed on a plan approved by the Syndicate.

7. Such hostels shall be under the supervision of a Warden, appointed in accordance with rules which the Syndicate may, from time to time, prescribe.

8. Each hostel shall have its recreation grounds, and shall manage its own games, either by itself or in conjunction with other hostels.

9. The internal management of each hostel shall be carried on in accordance with rules which the Syndicate may, in consultation with the Council, from time to time, prescribe.

10. Students residing in the hostels shall be members of the University institutes or societies for the promotion of social intercourse, for creating literary and scientific tastes and for promotion of physical culture and organized games. Such institutes and societies shall be under such supervision as the Syndicate may approve.

11. The Syndicate shall exercise supervision over the hostels through the Students' Residence Committee as constituted in Chapter XII.

12. In matters appertaining to religious instruction and observances, the Council shall exercise supervision over the hostels, in consultation with the Faculty of Theology and through the Students' Residence Committee.

(b) College Hostels.

13. The administration of hostels attached to any constituent College admitted to privileges of the University shall be in the hands of the Principal of that College.

CHAPTER XII.

STUDENTS' RESIDENCE COMMITTEE.

1. At the annual meeting of the Syndicate, a Committee shall be appointed which shall be called the "Students' Residence Committee." It shall consist of—

- (a) the Pro-Vice-Chancellor,
- (b) two members to be nominated by the Faculty of Theology,
- (c) two members of the teaching staff to be appointed by the Syndicate,
- (d) two members to be nominated by the Council.
- (e) two representatives, who shall be graduates of any Faculty, elected by the students in such manner as the Syndicate may; from time to time prescribe,
- (f) the Chief Medical Officer in charge of the Hostels and,
- (g) the Wardens of the Hostels.

The members appointed, nominated or elected, shall hold office for the term of one year, and shall be eligible for re-election.

The Committee shall deal, subject to the Regulations (especially Regulations 1 and 2 of Chapter XI) and to the general control of the Syndicate, with all questions relating to the admission, residence and social life of the students in University hostels. The Pro-Vice-Chancellor shall be *ex-officio* Chairman of the Committee. Casual vacancies during the year shall be filled up by the Syndicate, on the recommendation of the body entitled to nominate for the vacancy.

2. Nothing in these Regulations shall be taken to authorise the Students' Residence Committee or any member thereof to interfere with the control of a Principal over his students.

CHAPTER XIII,

Discipline.

1. The rules of discipline touching students of the University shall be framed by the Senate.

(a) *Discipline among students other than those of constituent Colleges admitted to privileges.*

2. It shall be the duty of the Pro-Vice-Chancellor to see that these rules are carried out, and also to maintain discipline among the students in matters not specifically provided by rule.

3. The Pro-Vice-Chancellor shall control the discipline of students while they are in lecture-rooms or laboratories, through the Professor in charge, and while they are in hostels, through the Wardens of the hostels.

(b) *Discipline among students of constituent Colleges admitted to privileges.*

4. It shall be the duty of the Principal of a constituent College, admitted to privileges, to see that the rules of the Senate are carried out, and also to maintain discipline among his students in matters not specifically provided by rule.

5. If the Pro-Vice-Chancellor observes that discipline is relaxed in any College, he shall bring the matter in the first instance to the notice of the Principal, and, if necessary, to the notice of the Vice-Chancellor and the Syndicate.

6. The Pro-Vice-Chancellor shall, with the co-operation of the Principal of the College and subject to the provisions of Regulation 3, maintain discipline among the students of constituent Colleges, admitted to privileges, while they are outside the College or the College hostels to which they belong.

CHAPTER XIV.

ADMISSION OF STUDENTS.

1. Every candidate for any degree or diploma granted by the University shall, except when exempted under any of these Regulations, be required to pass the examination prescribed by these Regulations for admission to the University for the Faculty concerned, before entering upon the course prescribed for such degree or diploma.

2. The examinations for admission shall be those prescribed in Chapters XXVII, XXXVIII, and XXXIX.

The conditions to be fulfilled by schools, recognised for the purpose of sending up candidates to the examinations for admission, shall be those prescribed in Chapter XVII. The Regulations governing admission are collected together in Chapter XL.

A.—Admission to the University courses in Faculties other than Theology and Oriental Studies.

3. A candidate may gain admission to the University courses in Faculties other than those of Theology and Oriental Learning, either (i) by passing the Admission Examinations in Arts and Science prescribed in Chapter XXVII of these Regulations, or (ii) by passing any one of the other examinations as specified below and fulfilling such other conditions as the Syndicate may impose.

(i) *Conditions to be fulfilled by candidates for the Admission Examinations in Arts and Science.*

4. A candidate for the Admission Examinations in Arts and Science shall be either a pupil of a school maintained or recognised by the University, or a private candidate.

5. A candidate shall be deemed to be a pupil of a recognised school when he has studied in it or in more than one recognised school, for at least two years previous to his admission to the University, or, if local rules regarding

study, examination, etc., demand, for a longer period. Such a candidate shall apply, through the Headmaster of the school where he is studying, to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched so as to reach the Registrar at least six weeks before the date of the commencement of the Admission Examination. The fee shall be Rs. 10.

6. A private candidate is one who has not studied in any school or other educational institution for one year immediately previous to his admission to a University examination.

7. When a private candidate is a resident of British India, he shall be certified by an Inspector of Schools appointed by the Local Government of the Province or place where he resides, or by some other officer empowered by the Local Government for this purpose to be a fit person to appear at the Admission Examination. The Syndicate shall ordinarily require that, in cases where a candidate has at any time previously studied in a school or an institution, a satisfactory certificate from the head of that school or institution shall be forwarded by the certifying officer.

8. When a private candidate is a resident of the territory of an Indian Prince or Chief, he must, (a) if the Government of India have made the direction specified in Regulation 5 (a) of Chapter XL (Regulation 2 (a) of Chapter XVII regarding that State, be certified by the educational authority of that State to be a fit person to appear at the Admission Examinations; or, (b) if no such direction has been made regarding that State, be similarly certified by an officer empowered by the Government of India to be so qualified. In either case, if the candidate has at any time previously studied in a school or an institution, the certificate prescribed under the last sentence of Regulation 9 of Chapter XL, (Regulation 7 of the present Chapter) shall ordinarily be required.

9. A private candidate shall apply to the Registrar in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least six months before the commencement of the Admission Examinations; provided that, for the examination of 1919, the period for sending applications to appear as private candidates shall be three months before the commencement of the examination. The fee shall be Rs. 10.

10. Whether a candidate is a pupil of a recognised school or a private candidate, he shall satisfy the Syndicate as to his fitness for admission to the courses of the University by passing the Admission Examinations, which shall be held at Benares, at times prescribed from time to time by the Syndicate.

(ii) *The conditions to be fulfilled by candidates who pass some other examination.*

11. The Syndicate may admit to the University courses a candidate who has passed the Matriculation Examination of any Indian University established by Act of the Legislature or any School-Leaving Certificate Examination or the High School Examination held in a British Province or in a State, which, on the advice of the Syndicate, shall at any time be recognised by the Government of India as qualifying for admission, or any one of the following examinations :—

- the Senior Oxford Local Examination;
- the Senior Cambridge Local Examination;
- the Final Examination prescribed for European Schools;
- the Diploma Examination of a Chiefs' College.

The Syndicate may also so admit candidates coming outside India who produce certificates of having passed an examination which, in the opinion of the Syndicate, is equivalent to the above-mentioned examinations, or who have, in the opinion of the Syndicate, if necessary after examina-

tion, attained a degree of knowledge equivalent to that expected at the Admission Examinations.

12. The Syndicate shall have power, from time to time, to prescribe further conditions to be complied with by candidates, and, in especial, to prescribe further tests for candidates who have passed these examinations; provided that, if any such further test is held at a centre other than Benares, the arrangements (especially those regarding the supervision of the examination) shall be made in conjunction with the Local Government or the Government of the State concerned.

13. In special cases, by permission of the Syndicate, a candidate may be admitted to the B.A. and B.Sc. courses of the University, if he has passed the Intermediate Examination of some other Indian University established by Act of the Legislature.

*B.—Admission to University courses in the Faculties of
Theology and Oriental Learning.*

14. A candidate may gain admission to the University courses in the Faculty of Oriental Learning, either (i) by fulfilling the conditions prescribed in Regulations 3 to 7 of Chapter XL (Regulations 4 and 5 of the present Chapter, read with the Regulations of Chapter XVII), save as regards the payment of a fee, and by passing the Admission Examinations in Arts and Science with Samskrit as one of the subjects, or (ii) by fulfilling the conditions prescribed in Regulations 13 and 14 of Chapter XL (Regulations 11 and 12 of the present Chapter) and passing any of the examinations mentioned in Regulation 11 (Regulation 13 of Chapter XL) with Samskrit as one of the subjects, or (iii) by passing the *Praveshika Pariksha*, or (iv) by passing—

the *Prathama* Examination of the Samskrit College, Benares;

the *Prajna* Examination of the Punjab University :

the admission test of the Madras Educational Department qualifying for admission to the examination for the Oriental title of *Shiromani* of the Madras University.

the *Traivarshika* examination of the Ranavira Samskrit Pathashala, Benares, or

the Second (Madhyama) examination in Samskrit conducted under the authority of the Government of Bihar and Orissa..

provided that candidates under (i) and (ii) of this Regulation who have not taken Samskrit as one of the subjects of their examination, may be admitted on satisfying the Syndicate, as the result of an examination, that they possess a sufficient knowledge of Samskrit.

15. In case (iii), a candidate either shall be a pupil of a school maintained by the University or a recognised school which, under the provision to Regulation 4 (c) of Chapter XL (Regulation 1 (c) of Chapter XVII) is permitted to prepare and send up candidates for the *Praveshika Pariksha*, or, if he is not a pupil of such a recognised school, shall produce a certificate, as provided for under Regulations 18 and 19 of Chapter XL (Regulations 16 and 17 of the present Chapter), that he is a fit person to be sent up for the *Praveshika Pariksha*.

16. When the candidate is a resident of British India, the certificate specified in Regulation 17 of Chapter XL (Regulation 15 of the present Chapter) shall be signed by an officer empowered for this purpose by the Local Government of the Province or place where the candidate resides or studies.

17. When the candidate is a resident of the territory of an Indian Prince or Chief, the certificate specified in Regulation 17 of Chapter XL (Regulation 15 of the present Chapter) shall be signed by the educational authority of that state, if the direction provided for in Regulation 5 (a) of Chapter XL (Regulation 2 (a) of Chapter XVII) has

been made in respect of that State; otherwise, it shall be signed by an officer empowered for this purpose by the Government of India.

18. A candidate for the *Praveshika Pariksha* shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the prescribed channel, so as to reach the Registrar at least six weeks (and, in the case of private candidates, six months) before the commencement of the examination; provided that for the examination of 1919, the period for sending applications to appear as private candidates shall be three months before the commencement of the examination.

19. The *Praveshika Pariksha* shall be held at times prescribed from time to time by the Syndicate, at Benares and at such other centres as the Syndicate may, from time to time, direct; provided that at centres other than Benares, the arrangements (especially those regarding the supervision of the examinations) shall be made in conjunction with the Local Government or the Government of the State concerned.

20. The Syndicate may admit to the *Shastri* course students who have passed the *Madhyama* Examination of the Benares Samskrit College, the preliminary examination for the oriental title of *Shiromani* of the Madras University, the *Shastri* examination of the Ranavira Samskrit Pathsala Benares, the *Visharada* examination of the Punjab University or the *Upadhyaya* examination conducted under the authority of the Government of Bihar and Orissa.

21. Candidates for admission to the courses of the Faculty of Theology (*Dharma*) must be Hindus and must have fulfilled the conditions prescribed in Regulation 16 (iii) or (iv) of Chapter XL (Regulation 14 (iii) or (iv) of the present Chapter), or in Regulation 22 of Chapter XL (Regulation 20 of the present Chapter).

C. Inter-University Regulations.

22. Notwithstanding anything contained in these Regulations, a student, who is qualified under the forgoing Regu-

lations for admission to the University and who is a member of some other Indian University, shall not be admitted in to the University or any constituent College thereof, without the production of :—

(1) a leaving or transfer certificate signed by the Principal of his last College, and certifying to the satisfactory conduct of the student and mentioning the highest examination he has passed, and

(2) a certified copy of all the entries against his name in the Enrolment Register of his University, if such a copy is obtainable.

23. A student of some other Indian University shall in any case be admitted only at the beginning of the particular course which he proposes to take in the University.

CHAPTER XV.

ADMISSION OF WOMEN STUDENTS AND SPECIAL REGULATIONS GOVERNING THEIR RESIDENCE, EXAMINATION, ETC.

1. Women candidates shall be eligible for admission to the University and to its examinations, degrees and diplomas.

2. There shall be no age limit for the admission of women candidates.

3. With the permission of the Syndicate, women candidates shall be eligible to appear at all examinations of the University (whether for admission or for a degree or a diploma) as private candidates.

4. It shall be open to the Syndicate to make arrangements for the examination of women candidates in *pardah*.

5. Women candidates shall not be compelled to appear in person before the President of the Convocation for their diplomas.

6. The Syndicate shall, from time to time, make such arrangements for the residence of women students as may be necessary.

7. In other respects, the conditions governing women candidates and students shall be those prescribed in these Regulations for male candidates.

CHAPTER XVI.

ADMISSION OF COLLEGES TO PRIVILEGES OF THE UNIVERSITY.

1. Colleges in Benares may be admitted to privileges of one or more Faculties, and in such subject or subjects as the Senate may recommend.

2. All applications for admission to privileges must be addressed to the Syndicate, through the Registrar.

3. A College applying for such admission shall satisfy the Syndicate:—

- (a) that the College is to be under the control of a regularly constituted governing body;
- (b) that the qualifications of the teaching staff and the conditions governing their tenure of office are such as to make due provision for the courses of instruction to be undertaken by the College.
- (c) that the buildings in which the College is to be located are suitable.
- (d) that due provision has been or will be made for a Library;
- (e) where admission to privileges is sought in any branch of experimental science, that arrangements have been or will be made for imparting instruction in that branch of science, in a properly equipped laboratory or museum;

- (f) that the financial resources of the College are such as to make due provision for its continued maintenance;
- (g) that the College is a residential College, and provision has been or will be made for the residence of the students, the Principal and at least for such members of the teaching staff as are in charge of the students' hostels.

For the purpose of these Regulations, a residential College shall be defined as one in which all the students¹⁷ reside in hostels maintained or recognised by the College, unless specially allowed by the Principal to reside with their parents or guardians, who shall also undertake to fulfil the conditions laid down by the Syndicate.

The application shall further contain an assurance that after the College is admitted to privileges, any transference of management and all changes in the teaching staff shall be forthwith reported to the Syndicate; that the College shall conform to and comply with all rules and conditions which the Syndicate may, from time to time, prescribe for the discipline, residence and conduct of the students; and that the College shall be subject to the general control of the University in the matter of imparting instruction to and teaching its students, and in respect of the participation of the College staff in the general work of the University.

4. On receipt of a letter of application, under Sub-section (1), the Syndicate shall—

- (a) direct a local enquiry to be made by a Commission of not less than three persons nominated by the Syndicate in this behalf, one of whom shall be a member of the Court;
- (b) make such further inquiry as may appear to them to be necessary; and.
- (c) report to the Senate on the question, whether the application should be granted or refused, either in

whole or in part, embodying in such report the results of any inquiry under Clauses (a) and (b); and the Senate shall, after such further inquiry if any, as may appear to them to be necessary, record their opinion on the matter.

5. The Vice-Chancellor shall submit the application and all proceedings of the Syndicate and Senate relating thereto to the Visitor, who, after such further inquiry as may appear to him necessary, shall accord his permission to such admission to privileges, or pass such orders as he may deem fit and proper. The College shall, on such approval being accorded, be deemed to have been so admitted.

6. When a College desires to add to the courses of instruction, in respect of which it is so admitted, the procedure prescribed by Regulation 3 shall, so far as possible, be followed.

7. The Syndicate may call upon any College to take, within a specified period, such action as may appear to them to be necessary, in respect of any of the matters referred to in Regulation 3.

8. The Senate may, on the recommendation of the Syndicate and with the approval of the Visitor, withdraw, in whole or in part, the privileges so granted to any College. The procedure shall be as follows :—

(a) A member of the Syndicate, who intends to move that the rights conferred on any College by such admission to privileges be withdrawn in whole or in part, shall give notice of the motion, and shall state in writing the grounds on which the motion is made ;

(b) Before taking the said motion into consideration, the Syndicate shall send a copy of the notice and written statement mentioned in (a) to the President of the governing body concerned, together

with an intimation that any representation in writing, submitted within a period specified in such intimation on behalf of the College, will be considered by the Syndicate, provided that the period so specified may, if necessary, be extended from time to time by the Syndicate ;

- (c) On receipt of the representation, or on expiration of the period referred to in (b), the Syndicate, after considering the notice of motion, statement and representation and after such inspection by any competent person authorised by the Syndicate in this behalf, and such further inquiry as may appear to them to be necessary, shall make report to the Senate ;
- (d) On receipt of the report under (c), the Senate shall, after such further inquiry, if any, as may appear to them to be necessary, record their opinion on the matter
- (e) The Vice-Chancellor shall submit the motion and all proceedings of the Syndicate and the Senate relative thereto to the Visitor, who, after such further inquiry, as may appear to him necessary, shall pass such orders as he may deem fit and proper.

9. The Syndicate may, from time to time, require each constituent College, admitted to privileges, to furnish such returns, reports and other information as the Syndicate may require, to enable them to judge of the efficiency of the College.

CHAPTER XVII.

RECOGNITION OF SCHOOLS.

1. When a school is situated in British India, the conditions regarding its recognition for the purpose of sending up candidates for the Admission Examinations of the University shall be as follows :—

- (a) The school shall apply to such officer and in such form and shall specify such particulars as shall be prescribed by the Local Government of the Province or place in which it is situated, and the Local Government, if it thinks fit, and after such inquiry as it may deem necessary, may recognise the school for the purpose of sending up candidates.
- (b) If the application is granted, the school shall be entered on the list of schools so recognised, and a copy of the entry shall be sent to the Registrar of the University.
- (c) No school so recognised shall, during the period that it remains so recognised, prepare or send up candidates for the Matriculation or Admission Examination of any other University; provided that, with the special consent of the Syndicate, it may prepare and send up candidates for the *Praveshika Pariksha*.
- (d) The Local Government may at any time remove any school from the list of recognised schools.
- (e) A copy of the order removing a school from the list of recognised schools shall forthwith be sent to the Registrar of the University.

2. When a school is situated in the territory of an Indian Prince or Chief, the procedure governing its recognition for the purpose of sending up candidates for the Admission Examination of the University shall be as follows :—

- (a) The Government of India may direct in respect of any State that recognition of a school by the Government of that State shall (subject in any case to revision by the Government of India) be recognition for the purpose of sending up candidates.
- (b) If a school situated in a State, regarding which the Government of India have made no such direction

desires recognition, the Government of India may, if they think fit, and after such inquiry as they may deem necessary, empower the Government of that State to recognise that school for the purpose of sending up candidates.

- (c) In either case, the conditions (a), (b), (c), (d), and (e) of Regulation 4 of Chapter XL (Regulation 1 of the present Chapter) shall be fulfilled, save that (subject to revision by the Government of India of the granting and retention of recognition) the Government of the State concerned shall be substituted for the Local Government.

3. The Syndicate shall have power, from time to time, to prescribe further conditions for recognition to be complied with by schools which fulfil the conditions required under the two preceding Regulations.

CHAPTER XVII A.

RECOGNITION OF SAMSKRIT PATHSHALAS.

1. When a Pathshala is situated in British India, the conditions regarding its recognition for the purpose of sending up candidates for the *Praveshika Pariksha* of the University shall be as follows:—

- (a) The Pathshala shall apply to such officer and in such form and shall specify such particulars as shall be prescribed by the Local Government of the Province or place in which it is situated, and the Local Government, if it thinks fit, and after such inquiry as it may deem necessary, may recognise the Pathshala for the purpose of sending up candidates.
- (b) If the application is granted, the Pathshala shall be entered on the list of Pathshalas so recognised, and

a copy of the entry shall be sent to the Registrar of the University.

- (c) No Pathsala so recognised shall, during the period that it remains so recognised, prepare or send up candidates for the *Praveshika* or an equivalent examination of any other University; provided that with the special consent of the Syndicate, it may prepare and send up candidates for the Admission Examination in the Faculties of Arts and Science.

(d) The Local Government may at any time remove any Pathsala from the list of recognised Pathsalas.

- (e) A copy of the order removing a Pathsala from the list of recognised Pathsalas shall forthwith be sent to the Registrar of the University.

2. When a Pathsala is situated in the territory of an Indian Prince or Chief, the procedure governing its recognition for the purpose of sending up candidates for the *Praveshika Pariksha* of the University shall be as follows:—

- (a) The Government of India may direct in respect of any State that recognition of a Pathsala by the Government of that State shall (subject in any case to revision by the Government of India) be recognition for the purpose of sending up candidates.
- (b) If a Pathsala situated in a State, regarding which the Government of India have made no such direction, desires recognition, the Government of India may, if they think fit, and after such inquiry as they may deem necessary, empower the Government of that State to recognise that Pathsala for the purpose of sending up candidates.
- (c) In either case, the conditions (a), (b), (c), (d), and (e) of Regulation 4 of Chapter XL (Regulation 1 of

the present Chapter) shall be fulfilled, save that (subject to revision by the Government of India of the granting and retention of recognition) the Government of the State concerned shall be substituted for the Local Government.

3. The Syndicate shall have power, from time to time, to prescribe further conditions for recognition to be complied with by Pathshalas which fulfil the conditions required under the two preceding Regulations.

CHAPTER XVIII.

HONORARY DEGREES.

1. When the Vice-Chancellor, and not less than two-thirds of the other members of the Syndicate, recommend that an Honorary Degree be conferred on any person, on the ground that he is, in their opinion, by reason of eminent position and attainments, a fit and proper person to receive such a degree, and when their recommendation is supported by not less than two-thirds of the members present at a meeting of the Senate and is confirmed by the Chancellor, the Senate may confer on such person the Honorary Degree so recommended, without requiring him to undergo any examination.

CHAPTER XIX.

CONVOCATION.

1. A Convocation for the purpose of conferring degrees shall be held annually in the month of October or November or at such other time as the Chancellor shall direct.

2. Unless specially exempted, every candidate for a degree, other than a woman candidate, must appear in person at the Convocation to receive the same. A candidate so

exempted shall not receive his diploma, except on payment of a fee of Rs. 10.

3. The diplomas of degrees shall bear the signature of the Vice-Chancellor.

4. The Syndicate shall, from time to time, lay down the procedure to be followed at the Convocation.

5. Special Convocations for conferring degrees, or for other purposes, may be held at such other date and time as the Syndicate may determine.

CHAPTER XX.

FELLOWSHIPS, STUDENTSHIPS, SCHOLARSHIPS, MEDALS AND PRIZES.

1. The Council may, from time to time, establish such fellowships, studentship and scholarships, and award such medals and prizes as it may think fit, and shall, from time to time, lay down the terms and conditions under which they are to be awarded and held; provided that expenditure on such fellowships, etc., shall not be regarded as a recurring charge of the University, for the purpose of Section 14 of the Act.

CHAPTER XXI.

ENDOWMENTS.

1. Benefactors, desiring to endow professorships, lectureships, fellowships, studentships, scholarships, medals and prizes, shall communicate to the Vice-Chancellor the conditions, if any, they wish to impose.

2. The Council, on receiving the report of the Syndicate, shall consider whether it will be within the objects of the University and consonant with the Act, the Statutes and the

Regulations to accept the conditions of the endowment, and accept the offer or not.

3. An account of all the endowments, with the conditions of their award and the names of the benefactors, shall be printed in the University Calendar.

CHAPTER XXII.

ACADEMIC COSTUMES.

1. The Senate shall, in consultation with the Council, from time to time, prescribe the academic costume to be worn by the members of the University

CHAPTER XXIII.

FEES.

1. The Council shall, on the recommendation of the Syndicate, from time to time, prescribe the fees payable by students—

- (a) for admission to the various examinations held by the University, provided that, save in the case of private candidates for the Admission Examination and of all examinations for admission, degrees or diplomas held under the Faculties of Theology and Oriental Learning, the fee charged shall not be less than that charged for corresponding examinations by the University of Allahabad.
- (b) for attendance at University and College lectures;
- (c) for admission to and residence in hostels; and
- (d) such other fees as it may, from time to time, deem fit to charge.

CHAPTER XXIV.

REMUNERATION TO EXAMINERS.

1. The fee for setting and moderating question papers and for examining answer-books and dissertations and for practical and *viva voce* examinations, shall be fixed, from time to time, by the Council, on the recommendation of the Syndicate, which shall also fix the travelling allowance, if any to be paid to examiners.

CHAPTER XXV.

LABORATORIES, MUSEUMS AND BOTANICAL GARDENS.

1. The Council shall, from time to time, provide for the establishment and maintenance of such laboratories, workshops, museums and gardens or farms as may be necessary for practical instruction in science and for the purpose of research. The Syndicate shall, from time to time, make rules for their management and use.

CHAPTER XXVI.

EXAMINATIONS.

General Rules.

1. Every candidate for any degree granted by the University, shall be required to pass an examination for admission to the University, as prescribed in Chapter XIV, the Intermediate Examination, and the examination or examinations for the degrees prescribed by these Regulations.

2. All applications to appear in an examination shall be addressed to the Registrar, and shall be presented within such time and in such manner as may be prescribed by the Syndicate. Every such application shall be accompanied by

a satisfactory character certificate from the head of the college or school to which the applicant belongs.

3. A candidate who fails to pass or who, from sickness or other cause, is unable to present himself for any examination, shall not receive a refund of his fee ; but the Syndicate may, for sufficient cause, permit the candidate to present himself for the next ensuing examination, without payment of a further fee.

4. Except as provided in Regulation 3. a candidate, when admitted to one or more subsequent examinations or any part thereof, shall, before admission, pay the prescribed fee for such examination, on each occasion when he is so admitted.

5. On receipt of the fee prescribed for the examination, the Registrar shall examine the application, which, if found to be in due form and in order, shall be registered in the register of candidates for such examination. The Registrar shall thereupon issue an admission card to the candidate entitling him to sit for the said examination.

6. A candidate may not be admitted in to the examination room, unless he produces to the officer conducting the examination, his admission card, or satisfies such officer that it will be subsequently produced.

7. A student shall be deemed to have pursued a regular course of study in a subject during a year or years, if he has attended at least seventy-five per cent of the course of lectures delivered in that subject during the year or years, and has produced a satisfactory character certificate from the Head of his College or School.

8. The Syndicate shall have power to condone any deficiency of attendance, but only for cogent reasons.

9. Except when otherwise directed by the Regulations or by the examiner in the examination paper, every candidate shall answer his questions in the English language, in the

examinations in Arts, Science and Law, and, in the examinations held in the Faculties of Theology and Oriental Learning, in such language as may be required in the question paper.

10. Except in the case of the Law examinations in which there are two classes only, namely, First and Second, candidates passing any University examinations will be placed in three classes namely the First, Second and Third. The Syndicate shall from time to time, prescribe conditions under which candidates will be placed in each of these Classes.

11. The term "year" in these Regulations means the term or terms of study or periods of study in the University, or in one of its constituent Colleges, prescribed by the University, during a year of the Gregorian Calendar.

CHAPTER XXVII.

ADMISSION EXAMINATIONS IN ARTS AND SCIENCE.

1. There shall be an Admission Examination held every year at Benares, at such times and on such dates as the Syndicate may prescribe, for admission to the studies of the Faculties of Arts and Science.

2. The candidates admitted to this examination shall fulfil the conditions prescribed in Regulations 3 to 12 of Chapter XL (Regulations 4 to 10 of Chapter XIV, read with the Regulations of Chapter XVII.)

3. The Registrar shall take the orders of the Syndicate on each application for admission to this examination.

4. The Admission Examination shall be conducted by means of papers. There shall also be a practical examination in science subjects.

5. Candidates for the Admission Examination in Arts and Science shall be examined in the following subjects :—

- A. (1) English,
 (2) Mathematics.
 (3) History and Geography.
 (4) Samskrit, and
 (5) any *one* or *two* of the following subjects :—
 (a) A Modern Indian Language.
 (b) Any other Classical Language.
 (c) A Modern European Language.
 (d) Elementary Physics & Chemistry.
 (e) Botany.
 (f) Drawing.
 (g) Manual Training.
 (h) Agriculture and Surveying.
 (i) Commerce.
- B. (1) English.
 (2) Mathematics.
 (3) History and Geography.
 (4) A Modern Indian Language.
 (5) Any *one* or *two* of the following subjects :—
 (a) Samskrit.
 (b) Any other Classical Language.
 (c) A Modern European Language.
 (d) Elementary Physics and Chemistry.
 (e) Botany.
 (f) Drawing.
 (g) Manual Training.
 (h) Agriculture and Surveying.
 (i) Commerce.
- C. In the case of women candidates the following combinations of subjects shall also be allowed :—
 (1) English.
 (2) History and Geography.
 (3) A Modern Indian Language, and
 Any *two* or *three* of the following subjects :—
 (a) Samskrit.

- (b) Mathematics.
- (c) Any other Classical Language.
- (d) A Modern European Language.
- (e) Elementary Physics and Chemistry.
- (f) Botany.
- (g) Drawing.
- (h) Music.
- (i) Manual Training.
- (j) Agriculture and Surveying.
- (k) Commerce.
- (l) Domestic Science (with special reference to Indian conditions).

6. A candidate for admission may present himself for one or more subsequent examinations, provided that he shall on every such occasion satisfy the Registrar that he has fulfilled the conditions laid down in these Regulations, as if he were a candidate appearing for the first time.

7. A certificate signed by the Registrar shall be given to each successful candidate, setting forth the date of the examination, the optional subjects in which he was examined and the Class in which he was placed.

CHAPTER XXVIA.

THE PREVIOUS EXAMINATION IN SAMSKRIT.

1. There shall be a Previous Examination in Samskrit held at least twice a year, at such times and on such dates as the Syndicate may prescribe for such candidates as desire to take up one of the optional subjects prescribed in Group A (d) and (e) of Regulation 9 of Chapter XXVIII of the Regulations for the Intermediate Examination, or any of the optional subjects prescribed in Regulation 7 II (iv) of Chapter XXIX (Regulations for the B. A. Examination) in lieu of Samskrit.

2. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall

be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the date of the examination.

3. A candidate who fails to pass, may be admitted to a subsequent examination, on a new application.

4. The examination shall be conducted by means of one written paper only.

5. The course prescribed for this examination shall cover some typical declensions and conjugations and simple *samāsas*, and easy selections in prose and poetry.

CHAPTER XXVIII.

INTERMEDIATE EXAMINATION IN THE FACULTIES OF ARTS AND SCIENCE.

1. The Intermediate Examination shall be held once a year in Benares, at such time and on such dates as the Syndicate may prescribe:

2. No candidate shall be admitted to this examination, unless he shall have fulfilled the conditions contained in Chapter XL (Chapter XIV) for admission to the courses in Arts and Science, and shall have prosecuted a regular course of study for two years in the University or a constituent College thereof, and unless he has produced satisfactory testimonials in the form prescribed by the Syndicate.

3. (a) Notwithstanding anything contained in Regulation 2, School-masters teaching in a recognised school, Demonstrators serving in the University or any of its constituent Colleges, may be admitted to the examination by the special grace of the Senate, provided that, by the date of the examination, not less than two academical years shall have elapsed since the date of their Matriculation

and that the period of continuous service shall have been not less than 18 months.

- (b) Before a candidate is permitted by the special grace of the Senate to present himself in any science subject, he shall produce a certificate from the Principal of a constituent College of the University to the effect that he has completed the required course in the College Laboratory.

4. A candidate shall apply to the Registrar in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

5. A candidate who has completed a regular course of study in the University or a constituent college for the Intermediate Examination but fails to pass or to appear may be admitted with the permission of the Syndicate to a subsequent Intermediate Examination on a new application and on payment of a further fee. Such a candidate shall not be required to prosecute a further course of study at the University or in a constituent college thereof.

6. The examination shall be conducted partly by means of papers and partly *viva voce*, and in subjects which admit of it, candidates shall also be required to undergo a practical examination.

7. Notwithstanding anything contained in the Regulations of this Chapter or of Chapter XXVI, a candidate, who at his last appearance at the examination failed in one subject only, shall be admitted to a subsequent examination in that subject only and be declared to have passed the Intermediate Examination on obtaining at least 40 per cent of the total marks in that subject.

8. (a) Notwithstanding anything to the contrary contained in Chapter XXIX or Chapter XXXII a candidate who

has passed in all subjects but one, may be allowed to keep terms for the B. A. or B. Sc. Examination and appear for, if otherwise eligible, provided he has passed in the remaining subjects of the Intermediate Examination at least one academical year before he appears for the B. A. or B. Sc. Examination.

(b) A candidate who passes the Intermediate Examination in two or more stages according to the preceding Regulation shall not be classed or be eligible for any University awards connected with the examination.

9. The subjects of Examination shall be the following:—

I. Compulsory subjects:—

(a) English,

(b) Composition in a Modern Indian Language.

II. Optional subjects—Three subjects confined to one of the following groups:—

Group A:

(c) Samskrit, and

(d) (e) Any two of the following subjects,
vis:—

(1) Another Classical Language.

(2) A Modern European Language.

(3) Mathematics.

(4) History.

(5) Logic.

(6) Drawing.

(7) Manual Training.

(8) Elementary Economics.

(9) A Modern Indian Language and Literature.

(10) Civics:

provided that a candidate, who has passed the Previous Examination in Samskrit or has passed the Admission Examination or any examination accepted as equivalent thereto with Samskrit as one of his subjects, may take up, in addition to two optional subjects under (d) and (e), a third optional subject under (d) and (e) in lieu of Samskrit.

Group B :—

Any one of the following combinations,—

- (1) Physics, Chemistry, Mathematics.
- (2) Physics, Chemistry, Biology.

CHAPTER XXIX.

BACHELOR OF ARTS.

1. The examination for the degree of Bachelor of Arts shall be held once a year in Benares, at such time and on such dates as the Syndicate may prescribe.

2. No candidate shall be admitted to the examination for the degree of Bachelor of Arts, unless he has passed the Intermediate Examination of the University in the Faculty of Arts or of Science, or, in special cases, by permission of the Syndicate, the Intermediate Examination of some other Indian University or the Board of High School and Intermediate Education established by Act of the Legislature, or the First Year Certificate Examination of the Mysore University and unless he has thereafter prosecuted a regular course of study for not less than two years in the University or in a constituent College of the University.

3. Notwithstanding anything contained in Regulation 2, School-masters teaching in a recognised school, Demonstrators serving in the University or any of its constituent Colleges, may be admitted to the examination by the special grace of the Senate, provided that by the date of the examination, not less than two academical years shall have elapsed since the date of their passing the Intermediate Examination, and that the period of continuous service shall have been not less than 18 months.

4. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so

as to reach the Registrar at least four weeks before the commencement of the examination.

5. A candidate who has completed a regular course of study in the University or in a constituent college for the examination for the degree of Bachelor of Arts but fails to pass or to appear may be admitted with the permission of the Syndicate to a subsequent examination for the same degree on a new application and on payment of a further fee. Such a candidate shall not be required to prosecute a further course of study at the University or in a constituent college thereof.

6. The examination shall be conducted partly by means of papers and partly *viva voce*.

7. The subjects of the examination shall be the following:—

I. Compulsory subjects—

- (i) English.
- (ii) Samskrit.
- (iii) Composition in a Modern Indian Language.

II. Optional subjects—

(iv) Any one of the following subjects:—

- (a) Any other Classical Language.
- (b) A Modern European Language.
- (c) Philosophy.
- (d) Mathematics.
- (e) Political Economy and Political Philosophy.
- (f) History;
- (g) A Modern Indian Language and Literature

provided that a candidate, who has passed the Previous Examination in Samskrit or has passed the Admission Examination or any examination accepted as equivalent thereto, or has passed the Intermediate Examination with Samskrit as one of his subjects, may take up any one of the optional subjects in lieu of Samskrit.

8. Notwithstanding anything contained in this Chapter or in Chapter XXVI, a candidate who at his last appearance at the examination failed in one subject only, shall be admitted to a subsequent examination in that subject only and be declared to have passed the B. A. Examination on obtaining at least 40 per cent of the total marks in that subject.

9. A candidate who passes the examination in two or more stages according to the preceding Regulation shall not be classed or be eligible for any University awards connected with the examination.

10. A candidate may obtain Honours in any subject if he passes in the first class in that subject as well as in a more advanced course in that subject prescribed for the purpose provided he obtains at least 45 per cent marks in the aggregate of the remaining subjects. Composition in a Modern Indian Language shall not count as an independent subject for this purpose.

CHAPTER XXX.

MASTER OF ARTS.

1. The Examination for the degree of Master of Arts shall be held once a year at Benares, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to candidates who have obtained the degree of B.A. or B. Sc. in this University or, in special cases, by permission of the Syndicate, some other Indian University established by an Act of the Legislature, or the University of Mysore, and have, after obtaining that degree, completed a regular course of study for not less than two years in the University or in a constituent College

3. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so

as to reach the Registrar at least four weeks before the commencement of the examination.

4. The examination shall be conducted by means of papers, and may also be *viva voce*.

5. A candidate may be examined in any *one* of the following subjects :—

- (1) Samskrit.
- (2) English.
- (3) Pali.
- (4) Any other Classical Language.
- (5) Philosophy.
- (6) History.
- (7) Political Economy and Political Philosophy.
- (8) Mathematics.
- (9) A Modern Indian Language and Literature.
- (10) Ancient Indian History and Culture.

6. Any Master of Arts may be admitted to the M.A. Examination in any branch other than that in which he was previously examined, without being required to prosecute a further course of study in the University, or in a constituent College thereof.

7. Failure to pass or appear at the Examination, shall not disqualify the candidate for presenting himself at any subsequent examination, on a new application being forwarded and a further fee paid. Such a candidate shall not be required to prosecute a further course of study in the University or in a constituent College.

CHAPTER XXXI.

DOCTOR OF LETTERS.

1. The Degree of D. Litt shall be open to a Master of Arts of the University or any other Indian University esta-

lished by an Act of the Legislature or any University which the Senate of the Benares Hindu University may recognise for the purpose from time to time or to a Master of Science of any such University who has taken his degree in a subject prescribed for the M. A. Examination of the Benares Hindu University provided that the candidate for the degree has been a resident member of the Benares Hindu University for two years preceding the date when he supplicates for the degree.

2. Every candidate who intends to supplicate for the said degree shall communicate his intention to do so to the Registrar, and also the special subject chosen by him for an original thesis. No application for admission to the said degree will be entertained, unless it is supported by two members of the Faculty of Arts or two Doctors of the University, who shall have testified that the applicant is, in habits and character, a fit and proper person for the degree. The communication shall be laid before the Faculty of Arts, which, if it approves of the application, shall appoint a Board of three examiners, and they, if so required, shall advise the candidate as to the amount of knowledge and research required of him.

3. When the candidate has prepared his thesis, he shall forward it to the Registrar for submission to the aforesaid Board, and shall indicate generally, in a preface to his thesis, and specially in notes the sources from which his information is taken, the extent to which he has availed himself of the work of others, and the portions of the thesis which he claims as original; he shall further state whether his research has been conducted independently, under advice, or in co-operation with others, and in what respects his investigations appear to him to tend to the advancement of knowledge.

4. If the thesis mentioned in Regulation 3 is approved by the Board of Examiners, the candidate may further be required to pass an oral or a written examination, or both examinations, at the discretion of the Board.

5. The Board of Examiners shall submit its opinion to the Faculty which, if it deems fit, shall recommend the candidate to the Senate, through the Syndicate, for the degree of Doctor of Letters.

6. Every candidate shall be at liberty to publish his thesis, and the thesis of every successful candidate shall be published by the University with the inscription: 'Thesis approved for the Degree of Doctor of Letters in the Benares Hindu University.'

CHAPTER XXXII.

BACHELOR OF SCIENCE (B.Sc.)

1. The examination for the degree of Bachelor of Science shall be held once a year at Benares, at such time and on such dates as the Syndicate may prescribe.

2. No candidate shall be admitted to the examination for the degree of Bachelor of Science, unless he has passed the Intermediate Examination of the University in the Faculty of Arts or of Science, or, in special cases, by permission of the Syndicate, the Intermediate Examination of some other Indian University established by Act of the Legislature, or the First Year Certificate Examination of the Mysore University and unless he has thereafter prosecuted a regular course of study for not less than two years in the University, or in a constituent College thereof.

3. (a) Notwithstanding anything contained in Regulation 2, School-masters teaching in a recognised school, Demonstrators serving in the University or any of its constituent Colleges, may be admitted to the examination, by the special grace of the Senate provided that by the date of the examination not less than two academical years shall have elapsed since the date of their passing the Intermediate Examination, and that the period of continuous service shall have been not less than 18 months.

(b) Before a candidate is permitted by the special grace of the Senate to present himself in any Science subject, he shall produce a certificate from the Principal of a constituent College of the University, to the effect that he has completed the required course in the College Laboratory.

4. A candidate shall apply to the Registrar in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

5. A candidate who has completed a regular course of study in the University or in a constituent college for the examination for the degree of Bachelor of Science but fails to pass or to appear may be admitted with the permission of the Syndicate to a subsequent examination for the same degree on a new application and on payment of a further fee. Such a candidate will not be required to prosecute a further course of study at the University or in a constituent college thereof.

6. The examination shall be conducted partly by means of papers and partly *viva voce*, and, in subjects which admit of it, candidates shall also be required to undergo a practical examination.

7. Notwithstanding anything contained in this Chapter or in Chapter XXVI, a candidate who at his last appearance at the examination failed in one subject only, shall be admitted to a subsequent examination in that subject only, and be declared to have passed the B. Sc. Examination on obtaining at least 40 per cent of the total marks in that subject.

8. A candidate who passes the examination in two or more stages according to the preceding Regulation shall not be classed or be eligible for any University awards connected with the examination.

9. The subjects of examination shall be the following:—

Any *one* of the following groups:—

- (a) Physics, Chemistry, Mathematics,
- (b) Physics, Chemistry, Geology,
- (c) Chemistry, Botany, Zoology,
- (d) Chemistry, Botany, Geology,
- (e) Chemistry, Zoology, Geology.
- (f) Chemistry, Industrial Chemistry, General and Chemical Engineering,

provided that no candidate be permitted to take group (a) (b) or (f) unless he has passed his Intermediate Examination with Mathematics and group (c), (d) or (e) unless he has passed his Intermediate Examination with Biology.

A candidate may also offer English (Modern and Practical) as an extra subject.

10. A candidate may obtain Honours in any subject if he passes in the First class in that subject as well as in a more advanced course in that subject prescribed for the purpose provided he obtains at least 45 per cent marks in the aggregate of the remaining subjects.

CHAPTER XXXIII.

MASTER OF SCIENCE.

1. The Examination for the degree of Master of Science shall be held once a year at Benares, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to candidates who have obtained the degree of B. Sc. in this University, or, in special cases, by permission of the Syndicate, the degree of B.Sc. or the degree of B.A. with Science subjects in some other Indian University established by an Act of the Legislature, or the University of Mysore, and have; after obtaining that degree, completed a regular course of study for not less than two years in the University or in a constituent College.

3. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

4. The examination shall be conducted by means of papers, and may also be *viva voce*, and, in subjects which admit of it, candidates shall also be required to undergo practical examination.

5. A candidate may be examined in any one of the following subjects:—

- (1) Mathematics.
- (2) Chemistry.
- (3) Physics.
- (4) Zoology.
- (5) Mineralogy.
- (6) Geology.
- (7) Botany.

6. Failure to pass or appear at the examination shall not disqualify a candidate for presenting himself at any subsequent examination, on a new application being forwarded and a further fee paid. Such a candidate shall not be required to prosecute a further course of study in a University or in a constituent College.

CHAPTER XXXIV.

DOCTOR OF SCIENCE (D. Sc.)

1. The degree of Doctor of Science shall be open to a Master of Science of the University or any other Indian University, established by an Act of the Legislature or any University which the Senate of the Benares Hindu University may recognise for the purpose from time to time or to a Master of Arts of any such University who has taken his

degree in a subject prescribed for the M. Sc. examination of the Benares Hindu University, provided that the candidate for the degree has been a resident member of the Benares Hindu University for two years preceding the date when he supplicates for the degree.

2. Every candidate who intends to supplicate for the said degree, shall communicate his intention to do so to the Registrar, and the communication shall include a statement of the contributions, published or accepted for publication, to science on which the applicant's claim to the degree is based, together with one or more copies of any thesis, whether in type or in manuscript, embodying the result of research, or showing evidence of his own work which the applicant may desire to submit in support of the application.

3. The candidate shall indicate, generally, in a preface to his thesis, and specially in notes, the sources from which his information is taken, the extent to which he has availed himself of the work of others and the portions of the thesis which he claims as original; he shall further state whether his research has been conducted independently, under advice, or in co-operation with others, and in what respects his investigations appear to him to tend to the advancement of science.

4. No application shall be entertained, unless two Members of the Faculty of Science, or two Doctors of the University, shall have testified, to the satisfaction of the Syndicate, that, in habits and character, the candidate is a fit, and proper person for the degree. The communication shall be laid before the Faculty of Science, which, if it approves of the application, shall appoint a Board of three Examiners, to whom the thesis of the candidate shall be submitted.

5. If the thesis mentioned in Regulation 2 is approved by the Board of Examiners, the candidate may further be

required to pass an examination, which may be written, oral or practical, at the discretion of the Board.

6. The Board of Examiners shall submit its opinion to the Faculty which, if it deems fit, shall recommend the candidate to the Senate, through the Syndicate, for the degree of Doctor of Science.

7. Every candidate shall be at liberty to publish his thesis, and the thesis of every successful candidate shall be published by the University, with the inscription, "Thesis approved for the Degree of Doctor of Science in the Benares Hindu University."

CHAPTER XXXIV A.

BACHELOR OF SCIENCE (ENGINEERING.)

1. Before being admitted to the Engineering College of the Benares Hindu University, a candidate, who wishes to take the courses for the degree of Bachelor of Science (Engineering), must have passed the Intermediate Examination with Mathematics, Physics and Chemistry of the Benares Hindu University or of any other Indian University or the Board of High School and Intermediate Education established by Act of the Legislature or the corresponding examination, with the same subjects, of any other University in a British Province or any Native State* which, on the advice of the Syndicate, shall at any time be recognised by the Government of India as qualifying for admission, provided that a student who passed his B. A. or B. Sc. examination with Mathematics and his Intermediate Examination with Mathematics and only one of the remaining subjects mentioned in the preceding part of the Regulation shall be eligible for admission to the courses for the degree of Bachelor Science in Engineering if he passes a special examination to be conducted by the Principal of the Engine

*The First Year Certificate Examination of the Mysore University with Mathematics, Physics and Chemistry has been recognised as a qualification for admission to the B. Sc. course in Engineering under this Regulation.

ering College of this University at the commencement of the session at this University in the remaining subjects in the course prescribed in Pure Science for the Intermediate Examination in the Faculties of Arts and Science. He must also produce a certificate, signed by the Principal of his College, that his conduct and behaviour have been satisfactory.

2. The Degree Course covers in all five years, the first two years being devoted to the Intermediate Course in Engineering, the third and the fourth years to the Degree Course, and the fifth year solely to practical training or research.

3. Candidates will be required to pass four examinations :

First year ..Intermediate Examination, Part I.

Second year..Intermediate Examination, Part II.

Third year ..Degree Examination, Part I.

Fourth year..Degree Examination, Part II.

4. Before being admitted to each one of the examinations, the candidate must produce certificates to show that he has satisfactorily completed the course prescribed for that examination, that his conduct in the College and in the Workshops has been satisfactory, that he has obtained not less than 60 % of the total marks awarded for sessional work in the Shops, Engineering Laboratories and at any special Workshop Examinations that may have been held.

INTERMEDIATE EXAMINATION, PART I.

5. The Intermediate Examination, Part I, shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

6. No candidate shall be admitted to this examination, unless he has prosecuted a regular course of study for not less than one year in the Engineering College of this University..

7. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least thirty days before the commencement of the examination.

8. A candidate who has completed a regular course of study in the University, or in a constituent college for the Intermediate Examination in Engineering Part I but fails to pass or to appear, may be admitted with the permission of the Syndicate without further attendance to a subsequent Intermediate Examination in Engineering on a new application and on payment of a further fee.

9. The subjects of examination shall be

1. Mathematics.
2. Engineering Physics.
3. Engineering Chemistry.
4. Building and Surveying.
5. Engineering and Metallurgy.
6. Mechanical Drawing.

INTERMEDIATE EXAMINATION, PART II.

10. The Intermediate Examination, Part II, shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

11. No candidate shall be admitted to this examination, unless he has passed the Intermediate Examination, Part I, and prosecuted a regular course of study thereafter for not less than one year in the Engineering College of this University.

12. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so

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as to reach the Registrar at least thirty days before the commencement of the examination.

13. A candidate who has completed a regular course of study in the University or in a constituent college for the Intermediate examination, in Engineering Part II but fails to pass or to appear may be admitted with the permission of the Syndicate without further attendance to a subsequent Intermediate Examination in Engineering on a new application and on payment of a further fee.

14. The subjects of the examination shall be :

1. Mathematics.
2. Heat Engines.
3. Applied Mechanics.
4. Practical Geometry.
5. Electrical Engineering.
6. Mechanical Drawing.

BACHELOR OF SCIENCE (ENGINEERING)

EXAMINATION, PART I.

15. The examination for the the degree of Bachelor of Science (Engineering), Part I, shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

16. No candidate shall be admitted to the above examination, unless he has passed the Intermediate Examination, Part II, of this University, and prosecuted a regular course of study thereafter for not less than one year in the Engineering College of this University.

17. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as

to reach the Registrar at least thirty days before the commencement of the examination.

18. A candidate who has completed a regular course of study in the University or in a constituent College for the B. Sc. (Engineering) examination, Part I but fails to pass, or to appear may be admitted with the permission of the Syndicate without further attendance to a subsequent examination for the same degree, on a new application and on payment of a further fee.

19. The examination shall be conducted by means of papers, and may include a *viva voce* test, in subjects which admit of it.

20. The subjects of examination shall be :

1. Strength of Materials.
2. Theory of Structures.
3. Theory of Machines.
4. Hydraulics.
5. Heat Engines.
6. Electrical Engineering.
7. Mechanical Drawing.

BACHELOR OF SCIENCE, ENGINEERING

EXAMINATION (PART II).

21. The examination for the degree of Bachelor of Science (Engineering), Part II, shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

22. No candidate shall be admitted to the above examination, unless he has passed the Degree Examination (Engineering), Part I, of this University, and prosecuted a regular course of study thereafter for not less than one year in the Engineering College of this University.

23. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least thirty days before the commencement of the examination.

24. A candidate who has completed a regular course of study in the University or any constituent College for the B. Sc. degree examination in Engineering Part II but has failed to pass or to appear at the said examination may be admitted with the permission of the Syndicate to a subsequent examination in the same subject and in the same branch on a new application and on payment of a further fee.

25. The examination shall be conducted by means of papers, and may include a *viva voce* test, in subjects which admit of it.

26. The subjects of the examination shall be :—

IN THE MECHANICAL BRANCH.

1. Strength of Materials.
2. Theory of Structures.
3. Structural Design.
4. Hydraulics.
5. Hydraulic Machines.
6. Theory of Machines.
7. Machine Design.
8. Heat Engines.
9. Mechanical Drawing.
10. Economics of Engineering
11. Electrical Engineering.

IN THE ELECTRICAL BRANCH.

1. Strength of Materials.
2. Electrical Testing of Materials,
3. Theory of Structures.
4. Structural Design.
5. Hydraulics.
6. Hydro-Electric Power Development.
7. Theory of Machines for Electrical Engineers.
8. Design of Electrical Machines.
9. Heat Engines.
10. Electrical Engineering.
11. Economics of Engineering.

27. No candidate shall be allowed to present himself for examination in both of these Branches in one year. All the subjects in each Branch are compulsory for that Branch.

FIFTH YEAR'S COURSE.

28. Candidates who have passed Part II of the examination for the degree of Bachelor of Science (Engineering), shall be admitted to the degree of Bachelor of Science (Engineering) only on producing evidence which shall satisfy the Syndicate that they have spent not less than one year in practical work or research.

CHAPTER XXXIV B.

ENGINEERING DIPLOMAS.

1. Before being admitted to the Engineering College of the Benares Hindu University, a candidate, who wishes to take the courses for the Engineering Diplomas must have passed the Admission examination of the Benares Hindu University or the Matriculation examination of an Indian University established by an Act of the Legislature or any School Leaving or High School examination recognised by the Syndicate as equivalent to it. He must also produce a certificate signed by the Principal of his School or College that his conduct and behaviour have been satisfactory.

2. The Diploma Course for the Licentiate in Engineering covers in all four years, the first two years being devoted to the Preliminary Course in Engineering, and the third and fourth years to specialization as a University student in one of the branches of Engineering herein-after mentioned.

3. The Diploma of Associate in Engineering may be awarded to the Licentiate who has been engaged in responsible Engineering Work for a period of not less than two years after he has gained his Licentiate in Engineering.

4. Candidates will be required to pass two University Examinations.

The Preliminary Engineering Examination at the end of the Second Year.

The Final Diploma Examination at the end of the Fourth Year.

5. Before being admitted to each one of the examinations, the candidate must produce certificates to show that he has satisfactorily completed the course prescribed for that examination, that his conduct in the College and in the Workshops has been satisfactory, that he has obtained not less than 60 per cent of the total marks awarded during the preceding sessions for work done in the Shops, Drawing Offices and Engineering Laboratories and of the total marks at the periodical examinations that have been held during the preceding sessions.

PRELIMINARY EXAMINATION FOR ENGINEERING DIPLOMAS.

6. The Preliminary Diploma Examination shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

7. No candidate shall be admitted to this Examination, unless he has prosecuted a regular course of study and practice for not less than two years in the Diploma Course of the Engineering College of the University.

8. A student who has entered for the Degree Course in Engineering, may with the special permission of the Principal, transfer to the Diploma Course at any time during the first two years, counting the time he has studied in the Degree Course towards the time required for the Diploma Course. In such cases, the Principal may waive, at his discretion, the requirement of the 60 per cent of the maximum marks in the Degree classes and examinations.

9. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and

fee shall be despatched through the prescribed channel, so as to reach the Registrar at least thirty days before the commencement of the Examination.

10. A candidate who fails to pass, may be re-admitted to a subsequent examination, on a new application and payment of a further fee, provided he shall have prosecuted a regular course of study for one year in the Engineering College of the University since the date of the last Examination.

11. The subjects of the Examination shall be:—

- | | |
|-------------------|--|
| | 1. Mathematics—Paper I, |
| <i>Group I.</i> | 2. Mathematics—Paper II. |
| | 3. Heat Engines. |
| <i>Group II.</i> | 4. Applied Mechanics. |
| | 5. Mechanical Drawing. |
| | 6. Building and Civil Engineering Drawing. |
| <i>Group III.</i> | 7. Surveying. |
| | 8. Chemistry for Engineers. |
| <i>Group IV.</i> | 9. Physics for Engineers. |
| | 10. Electrical Engineering. |

FINAL EXAMINATION FOR THE DIPLOMA
OF
LICENTATE OF THE
BENARES HINDU UNIVERSITY
IN

- (1) MECHANICAL ENGINEERING,
(2) ELECTRICAL ENGINEERING, AND
(3) CIVIL ENGINEERING.

12. The final examination for the Diploma of Licentiate in Engineering shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe.

13. No candidate shall be admitted to the above examination, unless he has passed the Preliminary Examination for the Engineering Diplomas or the I. Sc. (Engineering) Part II of the University and prosecuted a regular course of study and practice thereafter for not less than two years in the Diploma Course of the Engineering College of the University.

14. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least thirty days before the commencement of the Examination.

15. A candidate who fails to pass, may be re-admitted to a subsequent examination, on a new application and payment of a further fee.

16. The subjects of the Examination shall be:—

For the Licentiate in Mechanical Engineering.

- (a) One Examination lasting six days in advanced Workshop practice.
- (b) One Examination lasting six days in Machine or Engine design.
- (c) One question-paper lasting three hours on Prime Movers.
- (d) One question-paper lasting three hours on Applied Mechanics.

17. *For the Licentiate in Electrical Engineering.*

- (a) One Examination lasting six days in Electrical Workshop practice and Electrical Engineering testing.
- (b) One Examination lasting six days in Electrical Engineering design including Drawing and Estimating.

- (c) One paper lasting three hours on Direct Current Engineering
- (d) One paper lasting three hours on Alternate Current Engineering.

18. *For the Licentiate in Civil Engineering.*

- (a) One Examination lasting six days in Practical Surveying to be followed by a Project connected therewith.
- (b) One Examination lasting six days during which a structure must be designed, drawn, and estimated for.
- (c) One paper lasting three hours on Hydraulics for Civil Engineers, Water-works, Irrigation, and Sanitation.
- (d) One paper lasting three hours on Roads, Railways, and Structures.

19. No candidate shall be allowed to present himself for more than one of the above Branches of Engineering in one year and no candidate may present himself for a Second branch until he has obtained his Associateship in the First Branch.

20. *The Diploma of Associate of the Benares Hindu University, in*

- (1) Mechanical Engineering
- or*
- (2) Electrical Engineering
- or*
- (3) Civil Engineering

will be awarded to the Licentiate who is able to produce evidence which will satisfy the Syndicate that he has had not less than two years in the successful practice of his profession after obtaining the Licentiateship and that he has substantially added to his knowledge and capability. This further experience should preferably be gained in the ordinary pursuit of the profession of Engineering but study or work within the Engineering College is not barred.

CHAPTER XXXIV C.

BACHELOR OF SCIENCE.

(MINING AND METALLURGY).

1. Candidates for the degree of Bachelor of Science in Mining or of Bachelor of Science in Metallurgy shall be required to pass four examinations, the first called "Intermediate Examination in Mining and Metallurgy Part I," the second called "Intermediate Examination in Mining and Metallurgy Part II," the third called "Bachelor of Science Examination in Mining and Metallurgy Part I," and the fourth called, in the case of candidates for the degree of Bachelor of Science in Mining, "Bachelor of Science Examination in Mining Part II," and in the case of candidates for the degree of Bachelor of Science in Metallurgy, "Bachelor of Science Examination in Metallurgy, Part II," except where provisions of Regulations 4 and 6 of this Chapter apply. All these examinations shall be held once a year in Benares at such time and on such dates as the Syndicate may prescribe.

2. The Intermediate Examination in Mining and Metallurgy Part I shall be open to those candidates who have passed the Intermediate Examination of this University with Physics, Chemistry and Mathematics or the Bachelor of Science Examination of this University with Geology and Chemistry, or, by permission of the Syndicate, an equivalent examination of some other Indian University or the Board of High School and Intermediate Education established by Act of the Legislature, and have thereafter prosecuted a regular course of study in the subjects prescribed for the examination for not less than one year at this University.

3. The subjects of the Intermediate Examination in Mining and Metallurgy Part I shall be the following:—

1. Mathematics.
2. Applied Mechanics.

3. Heat Engines.
4. Practical Solid Geometry.
5. Engineering Drawing.
6. Applied Electricity.
7. Metallurgy.

4. The Intermediate Examination in Mining and Metallurgy Part II shall be open to those candidates who have passed the Intermediate Examination in Mining and Metallurgy Part I of this University or the Intermediate Examination Part I for the degree of Bachelor of Science in Engineering of this University, and have thereafter prosecuted a regular course of study in the subjects prescribed for the examination for not less than one year at this University.

5. The subjects of the Intermediate Examination in Mining and Metallurgy Part II shall be the following:—

1. Geology and Mineralogy.
2. Physical Chemistry.
3. Assaying.

6. The Bachelor of Science Examination in Mining and Metallurgy Part I shall be open to those candidates who have passed the Intermediate Examination in Mining and Metallurgy Part II of this University, or who have after passing the Bachelor of Science Examination of this University with Geology and Chemistry, or by permission of the Syndicate, an equivalent examination of some other Indian University established by Act of the Legislature, passed the Intermediate Examination in Mining and Metallurgy Part I of this University, and have thereafter prosecuted a regular course of study in the subjects prescribed for the examination for not less than one year at this University.

7. The subjects of the Bachelor of Science Examination in Mining and Metallurgy Part I shall be the following.

1. Mining.
2. Surveying.

3. Electrical Technology.
4. Power Generation and Transmission by Non-electrical Methods.

Candidates who have not passed the Intermediate Examination in Mining and Metallurgy Part II (Vide Regulation 6 of this Chapter) shall also take the following:—

5. Assaying.

8. The Bachelor of Science Examination in Mining Part II and the Bachelor of Science Examination in Metallurgy Part II shall be open to those candidates who have passed the Bachelor of Science Examination in Mining and Metallurgy Part I of this University and have thereafter prosecuted a regular course of study in the subjects prescribed for the examination at which they wish to appear for not less than one year at this University.

9. The subjects of the Bachelor of Science Examination in Mining Part II shall be the following:—

1. Advanced Mining.
2. Mining Plant and Machinery.
3. Mining Geology.
4. Mine Sampling and Valuation.
5. Economics of Mining.

10. The subjects of the Bachelor of Science Examination in Metallurgy Part II shall be the following:—

1. Advanced Metallurgy.
2. Advanced Assaying.
3. Fuels and Refractory Materials.
4. Metallography and Pyrometry.
5. Mechanical Testing and Heat Treatment of Metals and Alloys.

11. A candidate for any of the four examinations for the degree of Bachelor of Science in Mining or in Metallurgy shall apply to the Registrar in such form and in such

manner as the Syndicate may prescribe and shall forward the application along with the fee prescribed for the examination so as to reach the Registrar at least four weeks before the date appointed for the commencement of the examination.

12. The examinations may be conducted by means of written tests, practical tests, oral tests, inspection of the certified record of the laboratory or field work of the candidate, or by means of any combination of these methods.

13. For determining the class in which a candidate shall be placed for the degree of Bachelor of Science in Mining or in Metallurgy, the marks obtained by him at the Bachelor of Science Examination in Mining and Metallurgy, Part I and the Bachelor of Science Examination in Mining Part II or the Bachelor of Science Examination in Metallurgy Part II shall be added together, provided that in the case of the candidate taking Assaying as part of the Bachelor of Science Examination in Mining and Metallurgy Part I under the provisions of Regulation 7 of this Chapter, the marks obtained in Assaying shall not be so added.

14. If any candidate for the degree of Bachelor of Science in Mining or in Metallurgy will produce evidence of having undergone practical experience for a period of not less than three months in a Mine or at a Metallurgical Works, which shall be approved by the University, the diploma of his degree shall be endorsed to that effect. Such evidence must be in the form of a diary kept by the candidate showing the time actually spent at the Mine or Metallurgical Works, and stating briefly the manner in which he has been employed; and it must be certified by the Manager of the Mine or the Metallurgical Works.

15. Failure to pass or appear at any of the four examinations for the degree of Bachelor of Science in Mining or in Metallurgy will not disqualify a candidate for presenting himself at the same examination in any subsequent year on a new application being made and a fresh fee paid. Such

a candidate will not be required to prosecute a regular course of study at the University in the subject or subjects in which he has already done so.

CHAPTER XXXV.

BACHELOR OF LAW.

1. Candidates for the degree of LL.B. shall be required to pass two examinations in Law, the first called "The Previous for the Degree of LL.B." and the second, "The Final for the Degree of LL.B."

2. The Previous Examination shall be held once a year in Benares, at such time and on such dates as the Syndicate may prescribe.

3. The examination shall be open to candidates who have obtained the degree of B.A., or B.Sc., in this University or, in special cases, by permission of the Syndicate, in some other Indian University established by Act of the Legislature, and have, after obtaining one of those degrees, prosecuted a regular course of study for one year in the University.

4. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched, so as to reach the Registrar at least four weeks before the commencement of the examination.

5. Failure to pass the Previous Examination shall not disqualify the candidate for presenting himself at any subsequent examination, on a new application being forwarded and a further fee paid.

6. The examination shall be conducted by means of papers, and may also be *viva voce*.

7. Candidates shall be examined in the following subjects:—

- (1) Constitutional Law of England and of India.
- (2) Jurisprudence, with Elements of Roman Law.

- (3) The Law of Contracts and Torts.
- (4) The Law of Crimes and Criminal Procedure.
- (5) The Law relating to Succession of Property—Testamentary and Intestate—other than Hindu and Muhammadan Laws on the subject.

8. The Final Examination shall be held once a year in Benares, at such time and on such dates as the Syndicate may prescribe.

9. The examination shall be open to candidates who have, since passing the Previous Examination, prosecuted a regular course of study for one year in the University.

10. A candidate shall apply the Registrar, in such form as Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

11. The examination shall be conducted by means of papers and may also be *viva voce*.

12. Every candidate shall present himself for examination in the following subjects:—

- (1) The Law of Civil Procedure, Limitation and Evidence.
- (2) Hindu Law.
- (3) Muhammadan Law.
- (4) Equity, with special reference to the Law of Trusts and Specific Relief.
- (5) The Law relating to Transfer of Property, and the Law of Easements.
- (6) The Law relating to Land Tenures, Rent and Revenue.
- (7) The Law relating to Companies and Corporations.

13. Candidates will be expected to study Hindu and Muhammaḍan Laws, with special reference to original authorities, or translations thereof. An additional paper in each of these subjects will be set, at least one of which each candidate will be required to answer.

14. Failure to pass the Final Examination will not disqualify the candidate for presenting himself at any subsequent examination, on a new application being forwarded and a further fee paid.

15. The LL.B., course may be studied synchronously with the M.A., course but no candidate shall be allowed to appear at both the examinations in one and the same year.

CHAPTER XXXVI.

MASTER OF LAW.

1. An examination for the degree of Master of Law may be held in Benares, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to candidates who, not less than two years previously, have obtained the degree of Bachelor of Law in this University, or, in special cases, by permission of the Syndicate, who have obtained the corresponding degree in some other Indian University established by Act of the Legislature.

3. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least six months before the examination.

4. Failure to pass the examination shall not disqualify the candidate from presenting himself at any subsequent

examination, on a new application being forwarded and a further fee paid.

5. The examination for the degree of Master of Law shall be conducted by means of papers, and may also be *viva voce*.

6. Candidates for the degree of Master of Law shall be examined in the following subjects :—

(1) Jurisprudence and Principles of Legislation.

(2) Hindu Law.

(3) Principles of Equity, and any *three* of the following :—

(a) The Law of Contracts and Torts.

(b) The Law relating to Transfer of Property, and the Law of Easements.

(c) Roman Law.

(d) Muhammadan Law.

(e) International Law.

(f) The Law of Testamentary and Intestate Succession.

(g) Constitutional Law and Legal History.

7. The examination in Hindu Law and in Muhammadan Law shall comprise questions having special reference to the original authorities.

CHAPTER XXXVII.

DOCTOR OF LAW.

1. A Master of Law of the University may offer himself as a candidate for the degree of Doctor of Law, provided not less than one year shall have elapsed from the time when he passed the examination for the degree of Master of Law.

2. Every candidate shall state in his application the special subject, within the purview of the Regulations for the degree of Master of Law, upon a knowledge of which he rests his qualification for the Doctorate, and shall, with the application, transmit three copies, printed or type-written, of a thesis which he has composed upon some branch of law, or of the history or philosophy of law.

The candidate shall indicate, generally in a preface to his thesis, and specially in notes, the sources from which his information is taken, the extent to which he has availed himself of the work of others, and the portions of the thesis which he claims as original; he shall further state whether his research has been conducted independently, under advice, or in co-operation with others, and in what respects his investigations appear to him to advance the study of law.

3. Every candidate may also forward with his application three printed copies of any original contribution or contributions to the advancement of the science or study of law, whether published conjointly or independently, upon which he relies in support of his candidature.

4. No application shall be entertained, unless two members of the Faculty of Law or two Doctors of Law shall have testified, to the satisfaction of the Syndicate, that, since graduating as a Bachelor of Law, the candidate has practised his profession with repute for five years, and that, in habits and character, he is a fit and proper person for the degree of Doctor of Law.

5. If the application be entertained, the Faculty shall appoint a Board of three Examiners, to whom the thesis mentioned in Regulation 2, and the original contribution, if any, mentioned in Regulation 3, shall be submitted.

6. If the thesis mentioned in Regulation 2 is approved by the Board of Examiners, the candidate may further be

required to pass an examination which may be written or oral, or both, at the discretion of the Board of Examiners.

7. The Board of Examiners shall submit its opinion to the Faculty which, if it deems fit, shall recommend the candidate to the Senate, through the Syndicate, for the degree of Doctor of Law.

8. Every candidate shall be at liberty to publish his thesis, and the thesis of every successful candidate shall be published by the University, with the inscription: "Thesis approved for the Degree of Doctor of Law in the Benares Hindu University."

CHAPTER XXXVIII.

THE FACULTY OF ORIENTAL LEARNING.

1. The Faculty of Oriental Learning shall, so far as funds admit, consider and propose such measures as it may, from time to time, deem necessary for:—

- (a) the promotion of the study of and researches in the languages, learning and sciences of Ancient India, and for the diffusion and preservation of important works therein;
- (b) the enrichment of the modern languages of India, and for the promotion of their study; and
- (c) the promotion of the study of and research in such other languages of the East as the Senate may, from time to time, recommend.

It will, for the present, undertake work to secure objects (a) and (b).

2. There shall be four examinations in the Faculty *viz.*—

- (a) *Praveshika Pariksha* (Examination for admission to the studies in the said Faculty);

- (b) *Madhyama Pariksha* (the Intermediate Examination in the Faculty of Oriental Learning);
- (c) *Shastri Pariksha* (the examination for the Degree of Shastri); and
- (d) an Examination for the Degree of *Shastracharya*.

3 The examinations shall be conducted by means of papers or *viva voce*, or both, and, in subjects which admit of it, candidates shall be required to undergo practical examination.

4. An examination (*Praveshika Pariksha*), for admission to the studies of the Faculty shall be held in the manner prescribed in Regulation 21 of Chapter XL (Regulation 19 of Chapter XIV). Admission to this examination shall be governed by the provisions contained in Regulations 17 to 20 of Chapter XL (Regulations 15 to 18 of Chapter XIV).

5. The subjects for the *Praveshika* Examination shall be the following:—

- (i) Samskrit.
- (ii) Hindi, or one of the following Modern Indian Languages, *viz.*, Bengali, Gujrati, Marathi, Oriya, Tamil, and Telugu.
- (iii) Mathematics in a Modern Indian Language
- (iv) History and Geography in a Modern Indian Language
- or
- (iii) Further course in Samskrit, Grammar and Literature in Samskrit.
- (iv) Elementary Logic

The candidate may also offer any one of the following subjects, *viz.*—

- (a) English.
- (b) Drawing and Manual Training.
- (c) Agriculture and Surveying.

6. The Intermediate Examination in the Faculty of Oriental Learning (*Madhyama Pariksha*) shall be held once a year at Benares, at such time and on such dates as the Syndicate may prescribe, and shall be open to all candidates who have prosecuted a regular course of study for not less than three years in the University, or a constituent College thereof, after admission into the University or the College aforesaid, or who fulfil the conditions laid down in Regulation 16 of Chapter XL (Regulation 14 of Chapter XIV).

7. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the proper channel, so as to reach the Registrar not less than four weeks before the commencement of the examination.

8. The subjects for the said Intermediate Examination (*Madhyama Pariksha*) shall be the following:—

- (i) Samskrit (Language and Literature).
- (ii) Hindi, or one of such other Modern Indian Languages as the Syndicate may, from time to time, permit. Arrangements for instruction in other important Modern Indian Languages will be made, whenever required and so far as funds will permit.
- (iii) Any one of the following subjects, *vis*:—
 - (a) Further course in Samskrit Grammar and Literature.
 - (b) A School of Indian Philosophy.
 - (c) Hindu Law and Jurisprudence.
 - (d) Hindu Astronomy and Mathematics. to be answered in Samskrit.
 - (e) The Ayurvedic System of Medicine, including an elementary knowledge of Chemistry, Botany, Physics and Anatomy (the last four in Hindi).

any three subjects out of the following Groups:

Group A—

- (a) English.
- (b) History and Geography.
- (c) Philosophy.
- (d) Mathematics.

Group B—

- (a) English.
- (b) Mathematics.
- (c) Physics.
- (d) Chemistry.
- (e) Botany.

Group C—

- (a) Hindu Medicine.
- (b) Botany.
- (c) Physiology.
- (d) Chemistry.

9. For students taking up subjects in any one of the last two groups aforesaid, the medium of instruction in all subjects except Samskrit and English, will be Hindi; but they will be expected to possess acknowledge of English sufficient to enable them to follow English nomenclature and technical terms.

9 (a) Notwithstanding anything to the contrary contained in the Regulations of this Chapter, a candidate who at his last appearance at the examination failed in one subject only shall be admitted to a subsequent examination in that subject only and be declared to have passed the Intermediate Examination (*Madhyama Pariksha*) on obtaining at least 40 per cent of the total marks in that subject.

(b) Notwithstanding anything to the contrary contained in this Chapter, a candidate who has passed in all the subjects but one may allowed to keep terms for the Sastri examination and appear for if otherwise eligible provided he has passed in the remaining subjects of the Intermediate Examination (*Madhyama Pariksha*) at least one academical year before he appears for the Sastri Examination.

(c) A candidate who passes the Intermediate Examination (*Madhyama Pariksha*) in two or more stages according to the previous Regulation shall not be classed or be eligible for any University awards connected with the examination,

10. The examination for the degree of Sastri shall be held once a year at Benares, at such time and on such dates as the Syndicate may prescribe, and shall be open to candidates who have prosecuted a regular course of study for not less than three years in the University, or a constituent College thereof, after passing the Intermediate Examination (*Madhyama Pariksha*), or who may be admitted under the provisions contained in Regulation 22 of Chapter XL (Regulation 20 of Chapter XIV).

10. (a) Any *Shastri* of the Benares Hindu University may be admitted to the *Shastri* Examination in any subject other than that in which he was previously examined except the Ayurvedic group without being required to prosecute a further course of study in the University or in a constituent college thereof. Such a *Shastri* shall not be required to offer himself again for the examination in the compulsory subjects of the *Shastri* examination.

11. A candidate shall apply to the Registrar in such form as the Syndicate may prescribe. His application shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

12. The subjects for the said examination for the degree of *Shastri* shall be the following:—

- (i) Samskrit Language and Literature (including Vedic Samskrit).
- (ii) Hindi, or one of such other Modern Indian Languages as the Syndicate may, from time to time permit. So far as possible, any other of the principal Modern Indian Languages will be permitted to be taken in lieu of Hindi.

(iii) Any *one* of the following subjects, *viz.* :—

- (a) A further course in Samskrit Grammar.
- (b) A further course in Samskrit Literature.
- (c) A further course in the Vedas and Vedic Samskrit.
- (d) A School of Indian Philosophy.
- (e) Hindu Law and Jurisprudence.
- (f) Hindu Astronomy and Mathematics.
- (g) The Ayurvedic system of Medicine, with Botany, Physiology, Chemistry and Anatomy (the last four in Hindi).
- (h) History, Palæography and Epigraphy (with some knowledge of Prakrit and Pali).
- (i) Prakrit and } with some knowledge of Phi-
Pali. } lology and Phonetic Laws.
- (j) English.

13. Every candidate for the degree of *Shastracharya* shall be required to—

- (i) produce a certificate that he has taken the degree of *Shastri* in the University;
- (ii) prove to the satisfaction of the Syndicate that, for not less than two years after taking the above degree, he has pursued an advanced course of study, in any one of the subjects (a) to (i) specified in the preceding Regulation;
- (iii) submit a thesis in Samskrit, on a subject previously accepted by the Faculty of Oriental Learning, showing evidence of original work, for approval by a Board of three Examiners appointed by the said Faculty; and
- (iv) pass an oral or a written examination, or both examinations, as the Board of Examiners may require, on the subject of his thesis, and cognate subjects.

14. The Board of Examiners shall submit its opinion to the Faculty which, if it deems fit, shall recommend the candidate to the Senate, through the Syndicate, for the degree of *Shastracharya*.

15. Every candidate shall be at liberty to publish his thesis, and the thesis of every successful candidate shall be published by the University, with the inscription: "Thesis approved for the Degree of *Shastracharya* in the Benares Hindu University."

CHAPTER XXXIX.

THE FACULTY OF THEOLOGY.

(a) *General.*

1. The Faculty of Theology shall be in charge of the religious instruction of the Hindu students of the University, and it shall also organize studies in religion and the examinations therein.

(b) *Examination.*

1. Candidates for admission to the studies of the Faculty of Theology (*Dharma*) must be Hindus, and must have passed the *Praveshika Pariksha*, that is, the admission examination of the Faculty of Oriental Learning of the University, or, have otherwise fulfilled the conditions laid down in Regulation 23 of Chapter XL (Regulation 21 of Chapter XIV).

2. There shall be 5 examinations in this Faculty:—the *Madhyama Pariksha*, which is an Intermediate Examination and two sets of examinations for degrees, namely, the—

Smriti Ratna Pariksha.

Smriti Sagar Pariksha.

Dharma Shastri Pariksha.

Dharmacharya Pariksha.

3. The examinations shall be conducted by means of papers, and shall also be *viva voce* and practical.

Intermediate Examination.

4. The subjects of examination for the *Madhyama Pariksha* shall be the following:—

(i) Samskrit:—

(a) Sruti (Selections)—optional, and open to those candidates only, who, according to accepted Hindu usage, are qualified to study the Vedas.

(b) Smriti (Selections).

(c) Purana and Itihasa (Selections).

(ii) Grihya Sutra.

(iii) Jyotish, (Astrology) (Elementary).

(iv) Dasa-Karma Paddhati--(Rituals and Ceremonials) optional, and open to those candidates only, who according to accepted Hindu usage, are qualified to officiate at Hindu religious ceremonies and rituals.

4. (a) Notwithstanding anything to the contrary contained in the Regulations of this Chapter, a candidate who at his last appearance at the examination failed in one subject only shall be admitted to a subsequent examination in that subject only and be declared to have passed the Intermediate Examination (*Madhyama Pariksha*) on obtaining at least 40 per cent of the total marks in that subject.

(b) Notwithstanding anything to the contrary contained in this Chapter, a candidate who has passed in all subjects but one may be allowed to keep terms for the Dharmashastri or Smritiratna Examination and appear for, if otherwise eligible, pro-

vided he has passed in the remaining subjects of the Intermediate Examination (*Madhyama Pariksha*) at least one academical year before he appears for the Dharma Sastri or Smritiratna Examination.

- (c) A candidate who passes the Intermediate Examination (*Madhyama Pariksha*) in two or more stages according to the previous Regulation shall not be classed or be eligible for any University awards connected with the examination.

5. The *Madhyama Pariksha* shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe, and shall be open to all candidates who have prosecuted a regular course of study for not less than three years in the University, or constituent College thereof, after admission into the University or the College aforesaid.

6. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the prescribed channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

The Degree Examinations,

7. The examination for the degree of Smritiratna, shall be held once a year, at Benares, at such time and on such dates as the Syndicate may prescribe, and shall be open to all candidates who have prosecuted a regular course of study for not less than three years in the University, or a constituent College thereof, after having either passed the Intermediate Examination, or fulfilled the conditions laid down in Regulation 22 of Chapter XL (Regulation 20 of Chapter XIV).

8. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the prescribed channel, so as to reach

the Registrar at least four weeks before the commencement of the examination.

9. The subjects for the said examination for the degree of Smritiratna shall be the following:—

- (i) Veda (candidate's own Shakha or Recension, with commentary and Angas or subsidiary sciences).
- (ii) Smriti (Grihya Sutra, and the principal Smriti Texts.)
- (iii) Purana and Itihasa.
- (iv) The six systems of Indian Philosophy.
- (v) Nyaya (in greater detail).
- (vi) Purva-Mimamsa (in greater detail).
- (vii) Sayana's introduction to Rigveda Bhasya.
- (viii) Bhagawadgita, with commentaries.
- (iv) Mitaksara.

10. Every candidate for the degree of Smriti Sagara shall be required to—

- (i) produce a certificate that he has taken a degree of Smriti Ratna in the University;
- (ii) prove to the satisfaction of the Syndicate that, for not less than two years after taking the degree aforesaid, he has pursued an advanced course of study in the subjects prescribed for the degree of Smriti Ratna.
- (iii) pass an examination, *viva voce* or written, or both, as the Board of Examiners may require, in the subjects mentioned above.

The Dharma Shastri and the Dharmacharya Examinations.

11. The examination for the degree of Dharma Shastri shall be held annually at Benares, at such time and on such dates as the Syndicate may prescribe, and shall be open to those candidates who desire and are competent, according to the accepted usage of the community, to officiate at Hindu religious ceremonies and who have prosecuted a regular course of study for not less than three years in the University, or

a constituent College thereof, after having either passed the Intermediate Examination or fulfilled the conditions laid down in Regulation 22 of Chapter XL (Regulation 20 of Chapter XIV).

12. A candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the proper channel, so as to reach the Registrar at least four weeks before the commencement of the examination.

13. The subjects for the said examination shall be—

- I. All the subjects prescribed for the degree of Smriti Ratna.
- II. Brahmana and Shrauta Sutra, of the candidate's own Shakha (along with the Paddhati of the principal Yajnas).
- III. Shatapattha Brahmana.
- IV. Shulva Sutra—practical knowledge of the making of sacrificial altars (Vedis and Kundas).

14. Every candidate for the degree of Dharmacharya shall be required to—

- (i) produce a certificate that he has taken the degree of Dharma Shastri in the University;
- (ii) prove to the satisfaction of the Syndicate that for not less than two years after taking the above degree, he has pursued an advanced course of study in the subjects prescribed for the degree of Dharma Shastri;
- (iii) submit a thesis in Samskrit on a subject previously accepted by the Faculty of Theology in the subjects of the candidate's own shakha (e. g., Samhita, Brahmana, Aranyakas, Upanishads, Sutras and Puranas studied by the candidate in the previous examinations) showing evidence of original work for approval by a

Board of three Examiners appointed by the said Faculty; and

- (iv) pass an oral or a written examination, or both examinations, as the Board of Examiners may require, on the subject of his thesis and cognate subjects.

15. The Board of Examiners shall submit its opinion to the Faculty which, if it deems fit, shall recommend the candidate to the Senate through the Syndicate for the degree of Dharmacharya.

16. Every candidate shall be at liberty to publish his thesis and the thesis of every successful candidate shall be published by the University with the inscription "Thesis approved for the Degree of Dharmacharya in the Benares Hindu University."

NOTE.

The following Chapter repeats Regulations for admission to University courses which are found in the appropriate Chapters. These Regulations have been collected in this place for the convenience of those who seek admission, and in order to show in a single Chapter the Regulations which are governed by the proviso to Section 18 (5) of the Act of Incorporation.

CHAPTER XL.

ADMISSION OF STUDENTS.

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1. Every candidate for any degree or diploma granted by the University shall, except when exempted under any of these Regulations, be required to pass the examination prescribed by these Regulations for admission to the University for the

Faculty concerned, before entering upon the course prescribed for such degree or diploma.

A.—Admission to the University courses in Faculties other than Theology and Oriental Studies.

2. A candidate may gain admission to the University courses in Faculties other than those of Theology and Oriental Learning, either (i) by passing the Admission Examinations in Arts and Science prescribed in Chapter XXVII of these Regulations, or (ii) by passing any one of the other examinations as specified below, and fulfilling such other conditions as the Syndicate may impose:

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(i) *Conditions to be fulfilled by candidates for the Admission Examinations in Arts and Science.*

3. A candidate for the Admission Examinations in Arts and Science shall be either a pupil of a recognised school, or a private candidate.

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4. When a school is situated in British India, the conditions regarding its recognition for the purpose of sending up candidates for the Admission Examinations of the University shall be as follows:—

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(a) The school shall apply to such officer and in such form, and shall specify such particulars as shall be prescribed by the Local Government of the Province or place in which it is situated, and the Local Government, if it thinks fit, and after such inquiry as it may deem necessary, may recognise the school for the purpose of sending up candidates.

(b) If the application is granted, the school shall be entered on the list of schools so

recognised, and a copy of the entry shall be sent to the Registrar of the University.

- (c) No school so recognised shall, during the period that it remains so recognised, prepare or send up candidates for the Matriculation or Admission Examination of any other University; provided that, with the special consent of the Syndicate, it may prepare and send up candidates for the *Praveshika Pariksha*.
- (d) The Local Government may at any time remove any school from the list of recognised schools.
- (e) A copy of the order removing a school from the list of recognised schools shall forthwith be sent to the Registrar of the University.

5. When a school is situated in the territory of an Indian Prince or Chief, the procedure governing its recognition for the purpose of sending up candidates for the Admission Examination of the University shall be as follows:—

- (a) The Government of India may direct in respect of any State that recognition of a school by the Government of that State shall (subject in any case, to revision by the Government of India) be recognition for the purpose of sending up candidates.
- (b) If a school situated in a State, regarding which the Government of India have made no such direction, desires recognition, the Government of India may, if it thinks fit, and after such inquiry as it may deem necessary, empower the Government of that State to recognise that school for the purpose of sending up candidates.

- (c) In either case, the conditions (a), (b), (c) (d) and (e) of Regulation 4 of Chapter XL shall be fulfilled, save (subject to revision by the Government of India of the granting and retention of recognition) the Government of the State concerned shall be substituted for the Local Government.

6. The Syndicate shall have power, from time to time, to prescribe further conditions for recognition to be complied with by schools which fulfil the conditions required under the two preceding Regulations.

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7. A candidate shall be deemed to be a pupil of a recognised school when he has studied in it or in more than one recognised school for at least two years previous to his admission to the University, or, if local rules regarding study, examination, etc., demand, for a longer period. Such a candidate shall apply, through the Headmaster of the school where he is studying, to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched, so as to reach the Registrar at least six weeks before the date of the commencement of the Admission Examination. The fee shall be Rs. 10.

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8. A private candidate is one who has not studied in any school or other educational institution for at least one year immediately previous to his admission to a University examination.

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9. When a private candidate is a resident of British India, he shall be certified by an Inspector of Schools appointed by the Local Government of the Province or place where he resides, or by some other officer empowered by the Local Govern-

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ment for this purpose. to be a fit person to appear at the Admission Examinations. The Syndicate shall, ordinarily, require that, in cases where a candidate has at any time previously studied in a school or an institution, a satisfactory certificate from the head of that school or institution shall be forwarded by the certifying officer.

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10. When a private candidate is a resident of the territory of an Indian Prince or Chief, he must, (a) if the Government of India have made the direction specified in Regulation 5 (a) of Chapter XL regarding that State, be certified by the educational authority, of that State to be a fit person to appear at the Admission Examination; or, (b) if no such direction has been made regarding that State, be similarly certified by an officer empowered by the Government of India to be so qualified. In either case, if the candidate has at any time previously studied in a school or an institution, the certificate prescribed under the last sentence of Regulation 9 of Chapter XL shall ordinarily be required.

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11. A private candidate shall apply to the Registrar, in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel, so as to reach the Registrar at least six months before the commencement of the Admission Examination; provided that, for the examination of 1919, the period for sending applications to appear as private candidates shall be three months before the commencement of the examination. The fee shall be Rs. 10.

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12. Whether a candidate is a pupil of a recognised school or a private candidate, he shall satisfy the Syndicate as to his fitness for admission to the courses of the University by passing the Admission

Examination, which shall be held at Benares, at times prescribed from time to time by the Syndicate.

- (ii) *Conditions to be fulfilled by candidates who pass some other examination.*

13. The Syndicate may admit to the University courses a candidate who has passed the Matriculation Examination of any Indian University established by Act of the Legislature or any School-Leaving Certificate Examination held in a British Province or in a State, which, on the advice of the Syndicate, shall at any time be recognised by the Government of India as qualifying for admission, or any one of the following examinations:—

the Senior Oxford Local Examination.

the Senior Cambridge Local Examination.

the Final Examination prescribed for European Schools.

the Diploma examination of a Chiefs' College.

The Syndicate may also so admit candidates coming from outside India who produce certificates of having passed examinations which, in the opinion of the Syndicate, are equivalent to the above-mentioned examinations, or who have, in the opinion of the Syndicate, if necessary, after examination attained a degree of knowledge equivalent to that expected at the Admission Examination.

14. The Syndicate shall have power, from time to time, to prescribe further conditions to be complied with by the candidates, and, in especial, to prescribe further tests for candidates who have passed these examinations; provided that, if any such further test is held at a centre other than Benares, the arrangements (especially those regarding the supervision of the examination) shall be

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made in conjunction with the Local Government or the Government of the State concerned

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15. In special cases, by permission of the Syndicate, a candidate may be admitted to the B.A. and B.Sc. courses of the University, if he has passed the Intermediate Examination of some other Indian University established by Act of the Legislature.

B.—*Admission to the University courses in the Faculties of Theology and Oriental Learning.*

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16. A candidate may gain admission to the University courses in the Faculty of Oriental Learning, either (i) by fulfilling the conditions prescribed in Regulations 3 to 7 of Chapter XL, save as regards the payment of fee, and by passing the Admission Examination in Arts and Science, with Samskrit as one of the subjects, or (ii) by fulfilling the conditions prescribed in Regulations 13 and 14 of Chapter XL and passing any of the examinations mentioned in Regulation 13 with Samskrit as one of the subjects, or (iii) by passing the *Praveshika Pariksha*, or (iv) by passing:—

the *Prathama* Examination of the Samskrit College, Benares;

the *Prajna* Examination of the Punjab University;

the Admission Test of the Madras Educational Department qualifying for admission to the examination for the Oriental title of *Shiromani* of the Madras University;

the *Traivarshika* Examination of the Ranavira Samskrit Pathshala, Benares; or

the second (Madhyama) Examination in Samskrit conducted under the authority of the Government of Behar and Orissa;

provided that the candidates under (i) and (ii) of this Regulation, who have not taken Samskrit as one of the subjects of their examination, may be admitted on satisfying the Syndicate, as the result of an examination, that they possess a sufficient knowledge of Samskrit.

17. In case (iii), a candidate either shall be a pupil of a recognised school which, under the provision to Regulation 4 (c) of Chapter XL, is permitted to prepare and send up candidates for the *Pravesika Pariksha*, or, if he is not a pupil of such a recognised school, shall produce a certificate, as provided for under Regulations 18 and 19 of Chap. XL, that he is a fit person to be sent up for the *Praveshika Pariksha*.

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18. When the candidate is a resident of British India, the certificate specified in Regulation 17 of Chapter XL shall be signed by an officer, empowered for this purpose by the Local Government of the Province or place where the candidate resides or studies.

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19. When the candidate is a resident of the territory of an Indian Prince or Chief, the certificate specified in Regulation 17 of Chapter XL shall be signed by the educational authority of that State if the direction provided for in Regulation 5 (a) of Chapter XL has been made in respect of that State; otherwise, it shall be signed by an officer empowered for this purpose by the Government of India.

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20. A candidate for the *Praveshika Pariksha* shall apply to the Registrar, in such form as the Syndicate may prescribe. His application shall be despatched through the prescribed channel, so as to reach the Registrar at least six weeks (and, in the

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case of private candidates, six months) before the commencement of the examination, provided that for the examination of the year 1919, the period for sending applications to appear as private candidates shall be three months before the commencement of the examination,

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21. The *Praveshika Pariksha* shall be held, at times prescribed from time to time by the Syndicate at Benares, and at such other centres as the Syndicate may from time to time direct, provided that, at centres other than Benares, the arrangements (especially those regarding the supervision of the examinations) shall be made in conjunction with the Local Government or the Government of the State concerned.

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22. The Syndicate may admit to the *Shastri* course, students who have passed the *Madhyama* Examination of the Benares Samskrit College, the Preliminary Examination for the Oriental title of *Shiromani* of the Madras University, the *Shastri* Examination of the Ranavira Samskrit Pathashala, Benares, the *Visharada* Examination of the Punjab University or the *Upadhyaya* Examination conducted under the authority of the Government of Bihar and Orissa.

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23. Candidates for admission to the courses of the Faculty of Theology (*Dharma*) must be Hindus and must have fulfilled the conditions prescribed in Regulation 16 (*iii*) or (*iv*) or in Regulation 22 of Chapter XL.

C.—Inter-University Regulations.

24. Notwithstanding anything contained in these Regulations, a student, who is qualified under the foregoing Regulations for admission to the University and who is a member of some other

Indian University, shall not be admitted to the University or any constituent College thereof, without the production of :—

- (1) A leaving or transfer certificate signed by the Principal of his last College, and certifying to the satisfactory conduct of the student and mentioning the highest examination he has passed, and
- (2) A certified copy of all the entries against his name in the Enrolment Register of his University, if such a copy is obtainable.

25. A student of some other Indian University shall on any case be admitted only at the beginning of the particular course which he proposes to take in the University.

CHAPTER XLI.

LICENTIATE OF TEACHING.

1. The examination shall be open to a graduate who has been admitted to the degree of B. A. or B. Sc. in this University, or in special cases, by permission of the Syndicate, in some other Indian University established by Act of the Legislature, provided he has studied for the year previous to his examination at a constituent College affiliated in the branch of Teaching.

2. The examination shall be both in the Theory and Practice of Teaching. In the Theory of Teaching, the examination shall be conducted by means of papers.

3. A candidate shall apply to the Registrar in such form as the Syndicate may prescribe. His application and fee shall be despatched through the prescribed channel so as to reach the Registrar at least four weeks before the commencement of the examination.

4. Every candidate shall be required to undergo a practical course of physical training, and shall further, in the presence of at least two examiners appointed by the Board of Examiners, give satisfactory evidence of ability to manage a class. He shall give two lessons in subjects embraced in the curriculum of high schools, one of which, at least, in the case of graduates in Arts, shall be on the English language, and in the case of graduates in Science, in Mathematics, Nature Study, or Physics and Chemistry. The candidates shall receive due notice of the subjects in which they will be asked to give a lesson.

The examination in the Practice of Teaching shall be conducted at the Training College, and the Examiner shall also take into consideration the record that has been kept at the College of work done during the course of training.

5. Candidates who fail in the examination in the Theory of Teaching may present themselves for re-examination therein at a subsequent examination, without attending a further course at the Training College, provided that they produce satisfactory evidence that, in the interim, they have been teaching in a recognised institution.

V.

Rules passed by the Senate, Syndicate. Council etc.

I. Recognition of Examinations as equivalent to the Admission Examination of the Benares Hindu University.

The following examinations have been recognised as equivalent to the Admission Examination of the Benares Hindu University :—

- (1) The Matriculation Examination of every Indian University established by an Act of the Legislature.
- (2) The School Leaving Certificate Examination or the High School Examination of the United Provinces, provided the candidate has fulfilled the conditions required for admission to college classes by the Allahabad University or the Board of High School and Intermediate Education, United Provinces.
- (3) The School Leaving Examination of Ajmere Merwara provided the candidate has fulfilled the conditions required for admission to college classes by the University of Allahabad or the Board of High School and Intermediate Education, United Provinces.
- (4) The Senior Oxford Local Examination.
- (5) The Senior Cambridge Local Examination.
- (6) The Final Examination prescribed for European Schools.

- (7) The Diploma examination of a Chiefs' College.
- (8) The School Leaving Certificate Examination of the Madras Presidency, which may be declared to be admissible to the University of Madras by that University.
- (9) The School Final Examination of the North Western Frontier Province provided the candidate has passed (that is to say, his papers have been classified under Article 151 of the Educational code of that Province as A. Excellent or B. Satisfactory) in one year in any complete group of subjects recognised for the Admission Examination of the Benares Hindu University.
- (10) The School Leaving Certificate Examination of the Punjab.
- (11) The School Leaving Certificate Examination of the Government of Bihar and Orissa.
- (12) The School Leaving Certificate Examination of Bombay, provided that the candidate has fulfilled all conditions demanded by the Bombay University in accepting the said examination for purposes of Matriculation that is, he has passed at one and the same examination in English, additional language, Arithmetic, Algebra, Geometry and History and has produced a certificate from the Headmaster of a registered school, that he possesses a satisfactory knowledge of Geography, Vernacular (or optional English) and Elementary Science according to the courses prescribed by the Board and has carried out satisfactorily the practical courses prescribed in the latter subject.
- (13) The School Leaving Certificate Examination held in the States of Hyderabad, Cochin.

Travancore, and Mysore, provided the candidate has been declared eligible for admission to college classes by the University of Madras.

- (14) The Entrance Examination of the Mysore University.

II. Constitution, powers and duties of the Boards of Examiners.

(i) The nomination of examiners for all examinations conducted by the University, shall be entrusted to Boards of Examiners.

(ii) Each Board shall consist of three members of the Senate, or members of the Faculties, elected by the Syndicate at its annual meeting. Each member elected shall hold office for two years, from the date of election or until he ceases to be a member of the Senate or a member of the Faculty, as the case may be, whichever event first happened, and shall in the former event be eligible for re-election.

(iii) In the event of a vacancy occurring after the annual meeting, for which provision has not been made, the Syndicate shall appoint a member to hold office on the Board until the annual meeting next following.

(iv) The Syndicate shall appoint one of the members to be a Convener. The Convener shall summon meetings and shall conduct the correspondence of the Board.

(v) The Conveners of Boards shall summon meetings of of their respective Boards for the purpose of nominating examiners to hold examinations of candidates proceeding to the various examinations conducted by the University.

(vi) The names of the persons nominated by the Board shall be reported to the Syndicate for approval. If the Syndicate decline to approve the appointment of any person nominated, it shall forthwith appoint some one to act in the stead of such persons.

(vii) In the event of an Examiner declining to act or resigning his post, or being from any cause unable to fulfil his duties, the Convener of the Board concerned shall nominate a substitute. The nomination shall be reported to the Syndicate for confirmation at its next meeting.

(viii) The Examiners appointed for each particular examination in any subject or group of subjects, shall, when their number is not less than three, moderate * the papers set for that examination in that subject or group of subjects. In other cases, the moderating will be done in such manner as the Vice-Chancellor may direct.

III. Remuneration to Examiners.

		Rs.	as.	p.
(1)	Admission Examination :—			
(a)	For setting each question paper ..	20	0	0
(b)	For examining answer-books per candidate	0	8	0
(c)	For practical examination per candidate	0	8	0
(2)	Previous examination in Samskrit :—			
(a)	For setting each question paper ..	20	0	0
(b)	For examining answer-books per candidate	0	8	0
(3)	Intermediate Examination :—			
(a)	For setting each question paper ..	25	0	0
(b)	For examining answer-books per candidate	0	12	0
(c)	For the practical examination per candidate	0	12	0
	With a minimum fee of ..	25	0	0
(d)	For the viva voce examination per candidate ..	0	8	0

* See rules for the moderation of question papers given elsewhere in this Calendar.

(4)	B.A. Examination :—	Rs.	as.	p.
	(a) For setting each question paper	40	0	0
	(b) For examining answer-books per candidate	1	0	0
	(c) For the viva voce examination per candidate	1	0	0
	Minimum Fee	25	0	0
(5)	M.A. Examination :—			
	(a) For setting each question paper	60	0	0
	(b) For examining answer-books per candidate ..	2	0	0
	(c) For the viva voce examination per candidate ..	2	0	0
	Minimum Fee ..	50	0	0
	(d) For the valuation of Thesis (10 each examiner for each subject)	50	0	0
(6)	B.Sc. Examination :—			
	(a) For setting each question paper ..	40	0	0
	(b) For examining answer-books per candidate ..	1	0	0
	(c) For the practical examination per candidate ..	1	0	0
	Minimum Fee	25	0	0
	M.Sc. Examination :—			
	(a) For setting each question paper ..	60	0	0
	(b) For examining answer-books per candidate ..	2	0	0
	(c) For the practical examination per candidate	2	0	0
	Minimum fee	50	0	0
	(d) For the valuation of thesis to each examiner for each subject	50	0	0

N.B.—When a thesis is part of the practical test only the external examiner shall be paid.

		Rs.	as.	p.
(8)	Intermediate Examination (Engineering) Parts I and II:—			
	(a) For setting each question paper ..	30	0	0
	(b) For examining answer-books per candidate	0	12	0
(9)	B.Sc. Examination (Engineering) Parts I & II:—			
	(a) For setting each question paper	45	0	0
	(b) For examining answer-books per candidate ..	1	0	0
	(c) For examining sessional work per copy ..	2	0	0
	Minimum fee ..	50	0	0
(10)	Preliminary Examination for Engineering Diploma:			
	(a) For setting each question paper ..	30	0	0
	(b) For examining answer-books per candidate	0	12	0
(11)	Intermediate Examination in Mining and Metallurgy Parts I & II:—			
	(a) For setting each question paper ..	30	0	0
	(b) For examining answer-books per candidate	0	12	0
	(c) For the practical examination per candidate	1	0	0
	Minimum fee	25	0	0
(12)	B.Sc. Examination in Mining and Metallurgy Parts I and II:—			
	(a) For setting each question paper ..	45	0	0
	(b) For examining answer-books per candidate	1	0	0
	(c) For the practical examination per candidate	2	0	0
	Minimum fee	50	0	0

		Rs.	as.	p.
(13)	LL.B. Previous and Final Examinations:—			
	(a) For setting each question paper ..	40	0	0
	(b) For examining answer-books per candidate	1	8	0
(14)	L. T. Examination:—			
	(a) For setting each question paper ..	45	0	0
	(b) For examining answer-books per candidate	1	0	0
	(c) For the practical examination per candidate	4	0	0
	Minimum Fee	50	0	0
N.B.—The minimum fee of Rs. 50 includes the fee for inspecting the record of the work of each candidate. If more than one external examiner be appointed the fee shall be divided among them.				
(15)	Praveshika Examination:—			
	(a) For setting each question paper ..	20	0	0
	(b) For examining answer-books per candidate	0	8	0
(16)	Madhyama Examination:—			
	(a) For setting each question paper ..	25	0	0
	(b) For examining answer-books per candidate	0	12	0
(17)	Shastri, Smritiratna and Dharmashastra examinations:—			
	(a) For setting each question paper ..	40	0	0
	(b) For examining answer-books per candidate	1	0	0
(18)	Shastracharya, Dharmacharya and Smritisagara:—			
	(a) For setting each question paper ..	60	0	0
	(b) For examining answer-books per candidate	2	0	0
	(c) For the viva voce examination per candidate	2	0	0
	(d) For the valuation of thesis to each examiner for each subject ..	50	0	0

- Rs. as. p.
- (19) D. Litt., D.Sc. or LL.D. Examinations:—
- (a) For the valuation of thesis to each
examiner for each subject 150 0 0

N.B.—(1) Remuneration for conducting Practical or viva voce Examination shall be paid to external examiners only.

- (2) No fee for setting question paper shall be paid to the members of the teaching staff.
- (3) Professors getting Rs. 500 per mensem or more shall not be paid any fee for examining papers.
- (4) If any examiner in the M.A. or M.Sc. after setting paper and the approval of the paper by the Board of Moderators is prevented from marking the answer-books then the total fee for setting and marking shall be divided equally between him and the person appointed to examine the answer-books in his place.
- (5) When a question-paper is set jointly or in parts by two or more examiners, the setting fee shall be divided among them.
- (6) When an answer-book is valued in parts by two examiners the fee for valuing the answer-books shall be divided among them.
- (7) A deduction of Rs. 3 per day will be made from the honorarium of each examiner for every day's delay in sending marks after the days fixed therefor unless the Syndicate, for special reasons, condones the delay in any particular case.
- (8) Travelling allowance shall be paid to the examiners on the same scale as to the members of the various University bodies such as Court, Council etc. and actual expenses not exceeding Rs. 10 per day will be paid as halting allowance to external examiners.

IV. Fees for admission to the University Examinations.

	Rs.	as.	p.
1. Admission.—			
For candidates from recognised schools	12	0	0
For Private Candidates	15	0	0
2. Intermediate	24	0	0
3. B. A.	36	0	0
4. B. Sc.	36	0	0
B. A. & B. Sc. Honours Rs. 5 extra for each subject in which the candidate wishes to take Honours			
5. M. A.	50	0	0
6. M. Sc.	50	0	0
7. L. T.	36	0	0
8. Intermediate Engineering Part I ..	20	0	0
9. Do. Do. Part II ..	20	0	0
10. B. Sc. (Engineering) Part I ..	30	0	0
11. Do. Do. Part II ..	30	0	0
12. Previous Examination in Samskrit ..	2	0	0
13. Praveshika—			
For candidates from recognised			
Pathas	2	0	0
For Private candidates ..	3	0	0
14. Madhyama	4	0	0
15. Shastri	5	0	0
16. Acharya	10	0	0
17. Intermediate (Mining & Metallurgy), Part I	20	0	0
18. Do. Do. Part II	20	0	0
19. B. Sc. Do. Part I	30	0	0
20. Do. Do. Part II	30	0	0
21. Preliminary Examination for Engineering			
Diplomas ..	20	0	0
22. Final	30	0	0
23. L L. B. Previous	20	0	0
24. L L. B. Final	30	0	0
25. D. Sc	100	0	0

V. Tuition Fees, Hostel Fees etc.

Enrolment fee—

Every fresh student shall on his admission to the University pay an enrolment and admission fee of Rs. 8/- to the University through the College in which he is admitted.

(A) ARTS AND SCIENCE COLLEGES.

Tuition fees—

(a) M. A. and M. Sc. Classes—

Rs. 10 per month for ten months in the year.

(b) B. A. and B. Sc. Classes—

Rs. 8 per month for ten months in the year.

(c) Intermediate Classes—

Rs. 6 per month for ten months in the year.

Laboratory fees (for Science students only)—

(a) M. Sc.	3 0 0	per mensem	
(b) B. Sc.	2 0 0	"	10 months
(c) Intermediate	1 0 0	"	in the year.
(d) Do. Botany	1 0 0	" extra	
		and Zoology.	

Games Fees—

For all classes	4 0 0	per annum	} Payable in two instal- ments in July and January.
Common room fee—	1 0 0	"	

(B) COLLEGE OF MECHANICAL AND ELECTRICAL ENGINEERING

(For Degree and Diploma Courses in Engineering)

Caution money deposit .. 20 0 0

Tuition fees—first two years, each year 96 0 0

(in eight instalments of Rs. 12 each).

Tuition fees second two years, each year 120 0 0

(in eight instalments of Rs. 15 each).

Common room fee Rs. 2 per annum,

Athletic fee—Admission fee Re. 1 and a monthly charge during the session not exceeding annas eight.

(For the degree of B. Sc. in Mining and Metallurgy.)

First year Course—

Tuition Fee—Rs. 96 payable in eight equal monthly instalments,

Second year course—

Tuition Fee Rs 96 payable in eight equal monthly instalments.

Third year course—

Tuition fee Rs. 120 payable in eight equal monthly instalments.

Fourth Year Course (Mining)—

Tuition Fee Rs. 120. Payable in eight equal monthly instalments.

Fourth year course (Metallurgy)—

Tuition Fee Rs. 120 Payable in eight equal monthly instalments.

COLLEGES OF ORIENTAL LEARNING AND THEOLOGY

No fees are charged.

TEACHERS' TRAINING COLLEGE

[No Tuition fees are charged.

THE LAW COLLEGE

Tuition fees Rs. 10 per month for 10 months in the year.

B. HOSTEL FEES.

A fee of Rs. 3 per month is charged for every single seated room and that of Rs. 2 for other seats. Besides this the Boarders have to pay a monthly electric light fee of Re. 1-8, a Boarders' Union fee of Rs. 2 only for the whole session and Rs. 3 per annum as the medical examination fee.

VI. Rules for the re-totalling of marks.

1. On payment of a fee of Rs. 10/- a candidate for any examination may be allowed to have his marks re-totalled in the subject or subjects in which he fails, provided he applies within one month after the publication of the results.

2. This fee is to be refunded to the candidate in case any mistake is found in the original totalling of marks.

VII. Marks obtained by candidates at examinations.

A candidate shall be permitted to have from the Registrar's Office, a copy of the marks obtained by him in the different subjects of his examination (with details of marks obtained in each paper) on payment of a fee of Rs. 2/- after the publication of the Results.

Besides the Syndics, the heads of the Institutions and of the departments shall be authorised to see the results of the various examinations to ascertain the marks of any particular student.

VIII. Duplicate Copies of Certificates and Diplomas.

The fee for issuing duplicate copies of Diplomas shall be Rs. 5/- that for issuing duplicate copies of certificates shall be Rs. 2.

IX. Migration Certificates to students leaving the University.

The fee for issuing migration certificates to students leaving the University shall be Re. 1/- only.

X. Provisional Certificates.

Before the candidates, who have passed the degree examinations, get their diplomas at the Convocation, provisional

certificates may be issued to them on payment of a fee of Re. 1/- only.

XI. Percentage of attendance at lectures of students who have once been detained or who have not prosecuted their studies for two consecutive years.

In the case of students who have once been detained or who have not prosecuted their studies for two consecutive years, the attendance of any two years most favourable to the students shall be counted for the purpose of examination.

XII. Rules for the Moderation of Question Papers.

1. The moderation of question papers in each subject shall be done by a Board consisting of the head of the department concerned and an external examiner in the subject nominated by the Syndicate every year for the purpose, at the time of the appointment of examiners.

2. In special cases the Syndicate may appoint any person to moderate the question papers of a subject or nominate an extra member to the Board.

3. The question papers shall always be moderated in the Registrar's Office and shall on no account be sent out of the University buildings.

XIII. Internal and External Examiners.

The word "Internal" shall be applicable to all members of the teaching staff including Honorary Professors.

XIV. Nomination of Examiners.

The 1st of September shall be the last date for the nomination of Examiners every year.

XV. Disposal of Answer-books of Candidates.

After the University results have been published the answerbooks of the candidates shall be preserved for three months from the date of such publication and after that period the cover sheets shall be burnt, the blank sheets shall be preserved for use and the written portions shall be destroyed in the presence of the Registrar or some other responsible officer.

XVI. Courses and Text-books for Examinations.

- (a) The courses of studies and text-books for each examination shall be prescribed and notified at least two years before the examination in question but in special cases alterations in text-books may be sanctioned by the Syndicate on the recommendation of the Board of Studies concerned.
- (b) Any alteration in any one year in the courses of studies or text-books prescribed shall not affect more than one half of the courses of studies and text-books in force for the time being.

XVII. Rules for the Guidance of Students doing practical work in Science Laboratories.

- 1. In the Science laboratories, in order to promote careful habits in the students and to minimise loss to the University, breakages or damages to the glass ware apparatus etc. by the students, above a certain minimum to be fixed by each department shall be charged for ordinarily at half the cost price, discretion being given to the head of the department to excuse the students in any particular case. If the money is not paid for within a specified time, the students shall be disallowed from working in the laboratories.

- II. If any things are found missing from the laboratory during the class hours, the heads of the departments may take such disciplinary measures as they think fit, on an individual, individuals, or the whole class concerned. The amount of the fine may not exceed the total cost of the things missing.
- III. The students shall be required to provide themselves with certain minimum number of articles such as dissecting cases, pen knives, matches etc. to be decided upon by the heads of the departments.
- IV. All measures taken against students shall be reported to the Principal concerned.
- V. All fines realised shall be remitted to the Principal's Office.

XVIII. Rules for the exchange of Professors.

1. Each University to pay the travelling allowance of the incoming professor for his journey to join duty after his relief in the other University, the rates of travelling allowance being those applicable to him for journey on transfer under the rules in force.

2. The professors deputed will be subject to the rules in force at the time, in the University to which he goes in respect of joining time, leave during the period of exchange, contribution towards pension and leave allowance, or both being waived on either side during the period.

3. The period of exchange need not necessarily be the period of a whole academic year of the University to which the professor goes or even the period from July to February. The exchange may be for such shorter periods as may be agreed upon in each case.

4. The Professors shall be provided with furnished quarters rent free but where a University is not able to give

free furnished quarters to the incoming professors, it may pay, instead, a special house rent allowance of 10 % of his salary.

5. The exchange need not necessarily be simultaneous nor in the same subject of teaching.

6. Each University shall make its own arrangements to pay the salary and leave allowances, if any, to the Professor deputed by it during the period of exchange.

7. These conditions shall be subject to modification in individual cases by special agreement.

XIX. Rules of Discipline.

1. All students belonging to a constituent college of the University shall be under the disciplinary control of the Principal of the college. The discipline of students not belonging to any constituent college and of all students while outside the college shall be under the control of the Pro-Vice-Chancellor.

2. A Professor or Assistant Professor may for sufficient cause punish the misconduct of a student in his class-room by fine not exceeding one rupee, or cancellation of the day's attendance in the subject, or suspension from his class for a period not exceeding three days, provided that the punishment in each case is communicated to the Principal. Cases requiring more severe punishment shall be reported to the Principal for necessary action.

3. In the absence of the Principal from the college, all his powers with regard to discipline will be exercised by the member of the staff in charge for the time being.

4. Punishment for irregularity in attendance, persistent idleness, misconduct or other breach of discipline may be, according to the nature of the case, a warning, fine, suspension

from membership of the college for a period not exceeding one month, or a recommendation to the University for expulsion from the college for the academical year, or detention from being sent up for the examination or for rustication,

5. In case of serious misconduct or habitual idleness the punishment may be accompanied by the entry of the offender's name in the Conduct Book. When the name of a student has been entered thrice in the Conduct Book, he shall be liable to expulsion from the college.

6. A student desiring leave of absence must apply to the Principal. For absence without leave, he will be liable to a fine of *four annas* a day and if the period of such absence exceeds a fortnight his name may be struck off.

7. All cases of grave misconduct or persistent idleness will also be reported to the parent or guardian concerned.

8. Subsidiary rules of discipline may be framed, by the Principal of a college for the proper maintenance of discipline in the institution.

9. Any question of discipline not covered by the Regulations of Chapter 13, and the above rules, shall be dealt with by the Pro-Vice-Chancellor.

10. Students who have absented themselves without permission from class-examinations will not be entitled to a certificate of attendance in the class.

11. Students who do not return punctually at the beginning of the session or after vacations are liable to be fined under Rule 6 or to be refused permission to attend courses of instruction. In case of illness or other unavoidable cause a student must without loss of time notify it to the Principal.

12. No student who has suffered from any infectious disease shall be allowed to attend his class without a medical certificate stating that he is free from infection.

13. Students are required to keep the Principal informed of their addresses. Any alteration of address must be communicated without delay.

14. A student expelled for idleness or misconduct shall forfeit all fees and privileges.

15. Students must appear at periodical examinations and if their progress is found to be unsatisfactory, they will be liable to be refused admission to the higher class or to the University Examination as the case may be or they may be required to repeat their courses of study before appearing for University Examination.

16. Breaches of hostel Regulations shall be dealt with in accordance with the rules laid down by the Syndicate for the purpose from time to time.

17. Breaches of college regulations shall be dealt with by the Principal.

18. Any student of the University, whether resident or non-resident, who is guilty of misbehaviour or improper conduct anywhere outside his college or hostel shall be dealt with by the Pro-Vice-Chancellor.

19. All breaches of discipline involving expulsion either from hostel or college shall be reported forthwith to the Pro-Vice-Chancellor or the Syndicate through the Pro-Vice-Chancellor.

20. Every officer of the University and every member of the teaching staff shall have the power of demanding from a student of the University his name and that of the college to which he belongs both in and outside the precincts of the University, and the student must comply with the demand. Failure to do so will make the student liable to such punishment as the Pro-Vice-Chancellor may determine.

21. As long as a student's name remains on the college rolls, he shall be amenable to the discipline of the University authorities wherever he may be.

22. It shall be competent to the Syndicate to lay down special subsidiary rules for the enforcement of discipline in the University.

XX. Rules for the Election of Two Representatives of the students to the Students' Residence Committee.

1. Nominations, supported by at least 20 signatures, must reach the Registrar within 10 days after the issue of the call.

2. On receipt of nomination, the Registrar shall without delay, publish the names and fix the date of election which shall be the 7th day after the publication of the nomination.

3. Each Principal shall take the votes of his own students and report the number of votes for each nominee to the Registrar within 24 hours of the voting.

4. The Registrar shall declare the results on the total of the votes within three days of the receipts of the reports from the Principals.

XXI. Proceedings of the Students' Residence Committee.

The Proceedings of the Students' Residence Committee do not require approval or confirmation by the Syndicate but in view of the power of control vested in the Syndicate it is necessary for the Committee to send copies of their proceedings to the Registrar for the information of the Syndicate.

XXII. Quorum for the Students' Residence Committee.

Four members shall form the quorum for the meetings of the Students' Residence Committee.

XXIII. Appointment of Wardens and Assistant Wardens.

1. There should be a Warden (who shall be appointed by the Syndicate) in charge of every group of hostels, accomodating not more than 300 students (2) the Warden so appointed should be of the status of a Senior Professor of the University and shall be appointed for a period of two years.

Each hostel accomodating not more than 60 students should be in charge of an Assistant Warden, who should reside in the quarters attached to the Hostel and should be a member of the teaching staff of the University. The Assistant Warden will be entitled to have quarters free of rent. The Assistant Warden will be appointed for a period of three years and is eligible for reappointment.

XXIV. Duties of the Assistant Wardens.

1. To go on a round of inspection every morning to see that every thing is in order.
2. To call the roll daily between 8 and 8-15 p. m.
3. To maintain discipline and to foster intellectual and social life in the Hostel.

XXV. Rules for the Internal Management of the Hostels.

1. None but students of the University or scholars engaged in research work at the University will be admitted to the hostels except with the spécial sanction of the Pro-Vice-Chancellor.

2. Applications for admission to the hostels should be made in a prescribed form (obtainable at the Principals' Offices) to the Principals of the Colleges who will forward them to the Wardens for disposal.

3. The allotment of seats will rest entirely with the Assistant Warden of the block, who may change the seat at any time he might think fit. No student shall change his room except with the permission of the Assistant Warden or Assistant Wardens concerned.

4. On admission or re-admission each boarder shall deposit Rs. 5 in the College Office as "Caution Money" which will be refunded to him after necessary deductions, if any, when he leaves the hostel.

5. Every boarder shall pay such charges as may be fixed by the Council on the recommendation of the "Students' Residence Committee."

6. Hostel dues must be paid along with the tuition fee in the College Office by the 15th of every month at the latest. Defaulters will be liable to a fine of one anna per day of non-payment up to the end of the month. If the hostel dues are not paid till the end of the month, the defaulter will be liable to have his name removed from the rolls of the hostel.

7. Each boarder shall have to pay at the beginning of every session Rs. 2 per annum into the College Office as the Boarders' Union fee. The amount so collected will be held by the University as a special fund to be spent by the Boarders' Union according to these rules.

8. Subject to the approval of the Assistant Warden, boarders may make their own arrangements for messing in quarters provided for the purpose, but arrangements for common messing shall be made by the Assistant Warden whenever practicable when he is requested to make them.

9. Each mess, when managed by students, shall, as rule, consist of not less than ten boarders for which a kitchen will be provided free of charge.

10. Separate kitchens for a smaller number of students

than ten will, if available, be provided on payment of Rs. 2 p. m. therefor, but in cases where they are required owing to religious or caste considerations, no rent will be charged for them.

11. Private servants in a hostel must be approved by and be subject to the authority and discipline of the Warden and Assistant Warden.

12. All complaints against hostel servants shall be made to the Assistant Warden as soon after the occurrence as possible. But a servant should under no circumstances be abused or beaten. A breach of this rule will render a boarder liable to a fine, while a repetition of such an offence will render him liable to expulsion.

13. Non-vegetarian food will not be allowed to be brought within the hostel area. Students who cannot do without non-vegetarian food, may use a kitchen which has been specially provided for the purpose outside the hostel area.

14. No boarder shall accommodate a guest in his room without the permission of the Assistant Warden. Permission to stay will not ordinarily be given for more than one day.

15. The roll will be called daily between 8 and 8-15 P.M. No boarder shall be absent from the hostel after call without leave previously obtained in writing. Absence from roll call without leave shall render a student liable to a fine of Re. 1 for the first time, and a repeated breach of this rule by any student shall render him liable to further disciplinary action which may amount to expulsion. Students who desire to be absent at the time of the roll call must apply in writing before 10 A.M. on the same day and should not leave the hostel without ascertaining that the application has been granted.

16. The hours of rest at night in the hostel are from 10 P.M. to 5 A.M. A bell will ring every day at 10 P.M. It is recommended that students should generally go to bed at

that hour and rise not later than 5 A.M. when the bell will ring again every morning.

17. From 6 to 9 A.M. in the morning and after 8-15 P.M. in the evening, silence must specially be observed in the hostel to enable students to pursue their studies quietly by themselves. Except in case of necessity, every student is expected to remain in his room during these hours and to devote his time to his studies.

18. Any boarder found guilty of gross misconduct will be removed from the hostel by the Warden with the approval of the Pro-Vice-Chancellor.

19. No boarder shall leave or remain outside Benares during term time except with the written permission of the Assistant Warden. Permission will not be usually granted without a letter from the parent or guardian. Such application shall clearly state the number of days for which leave of absence is requested and the reason therefor.

20. Except with the permission of the Assistant Warden no music will be allowed in the hostel outside the hours prescribed therefor, viz., between 4-30 and 7-30 P.M. on working days. The Assistant Warden may stop music at any time if he considers it desirable to do so.

21. For acts of misconduct of a less serious kind, a boarder may be fined by the Assistant Warden up to a limit of Rs. 5/- or the misconduct may be noted against him in his Conduct Book. If, in the opinion of the Assistant Warden, the number of such acts and their seriousness merit the punishment of expulsion from the hostel, wholly or for a period, he shall submit the case to the Pro-Vice-Chancellor through the Warden.

22. Boarders shall not hold any meetings or organise any activities in the hostel premises other than those which have been recognised as falling within the regular activities of the

University students, without the permission of the Assistant Warden.

23. No notice shall be posted or circulated in the hostel without the counter-signature of the Assistant Warden.

24. Except when prevented by ill-health or some other reasonable cause, every student must take part in some game or sport or take some physical exercise every day.

25. Every student is expected to perform *Sandhya* or say his prayer morning and evening by himself. But attendance at the common prayer, religious lectures and *Ekadashi* and other *kathas* which may be prescribed from time to time, and a list of which will be exhibited at the hostel notice board shall be compulsory in the case of all Hindu students. Absence from the religious instruction classes and such lectures and *kathas* without good cause shall render a student liable to such penalty or penalties as the Students' Residence Committee may think fit to impose.

Attendance at the daily Katha which is held for an hour after lamp light in the hostel ground shall be optional.

26. Every student must attend the University functions attendance at which is made obligatory by the Vice-Chancellor or Pro-Vice-Chancellor except when he is excused or prevented by some reasonable cause from doing so.

27. The inmate of a room is responsible for the care of all fittings and furniture in and near his room. Before leaving the hostel at the end of the session he must return all the furniture to his Assistant Warden and obtain a receipt therefor. Any damage other than by fair wear and tear will be chargeable to him.

28. The Assistant Warden shall take such action as he deems necessary to ensure general cleanliness in the hostel premises. No student shall bathe, wash or keep water pots

in the verandah, cook any food in the room or commit any other nuisance within the hostel area.

29. Boarders will be ordinarily attended by the Medical Officer of the hostel free of charge.

30. An outside medical practitioner may be called by a boarder with the knowledge of the Hostel Medical Officer or the Assistant Warden but in such cases the fees of the doctor consulted must be paid by the boarder.

31. Boarders suffering from any infectious disease shall be segregated in quarters provided for the purpose.

32. The Assistant Warden, on the recommendation of the Medical Officer, can and, with the approval of the Pro-Vice-Chancellor, shall exclude from the hostel a boarder suffering from any disease which renders the sufferer unfit to reside in the hostel.

33. Every boarder shall on admission be examined by the Medical Officer and thereafter periodically at least once a year, and a full record of the examination shall be kept with the Assistant Warden in the form prescribed by the Students' Residence Committee.

34. All matters, not provided for in the above rules, shall be decided by the Pro-Vice-Chancellor.

XXVI. Rules for the Women's Hostel.

1. None but students of the University or its constituent colleges will be admitted to the Hostel.

2. Applications for admission to the Hostel should be made in the prescribed form (at the Office of the Principal concerned) to the Principal of the College to which admission is sought, who will forward them to the Warden for disposal.

3. After the admission of boarders to the Hostel the allocation of seats will rest entirely with the Warden.

4. Each boarder, on her admission or re-admission, shall deposit Rs. 5/- as "Caution Money" which will be refunded to her after necessary deduction, if any, when she leaves the Hostel.

5. Boarders shall be liable to pay rent at such rates as may be fixed by the Council on the recommendation of the "Students' Residence Committee,"

6. Boarders are expected to keep their rooms always in a neat and tidy condition.

7. Boarders may make their own arrangements for messing in quarters provided for the purpose, but facilities will be provided for common messing if required.

8. Non-vegetarian diet will be allowed only in the kitchens set apart for the purpose.

9. No meals will be served in students' rooms except in case of illness or without the special permission of the Warden.

10. Private servants in a Hostel must be approved by and be subject to the authority and discipline of the Warden.

11. The roll will be called once daily at 7 P.M. in winter and 8 P.M. in summer. Boarders absent at the time of the roll-call without the permission of the Warden will be treated as absent and liable to disciplinary action.

12. No boarder shall leave Benares during term-time, except with the permission of the Warden.

13. Boarders wishing to be absent from the Hostel after the hours of roll-call must obtain special permission from the Warden beforehand.

14. No music will be allowed in the Hostel outside the hours prescribed therefor except with the permission of the Warden.

15. Boarders will be ordinarily attended by a Medical Officer appointed by the University.

16. An outside medical practitioner may be called in by a boarder with the knowledge of the Hostel Medical Officer and the permission of the Warden, and in such cases the fees of the doctor consulted must be paid by the boarder.

17. Boarders suffering from any infectious disease shall be segregated in quarters provided for the purpose.

18. The Warden, on the recommendation of the Medical Officer and with the approval of the Pro-Vice-Chancellor shall have the power to exclude a boarder from the hostel on the medical grounds unfit to reside in the hostel.

19. Every boarder shall be examined by a Lady Medical Officer appointed by the University at the time of the admission and thereafter periodically at least once a year and a record of their examination will be kept in the prescribed form.

20. The college does not hold itself responsible for the loss of anything from the Students' Rooms, but any loss should be reported immediately to the Warden. Valuables and money may be deposited with the Warden if so desired and students are advised not to keep large sums of money, or jewels or other valuables in their rooms.

21. All communications sent to students by personal messengers should be ordinarily delivered through the Warden or the Superintendent.

22. No invitation shall be accepted without first obtaining permission from the Warden.

23. No student is allowed to leave the compound without permission from the Warden. Students, however, may go out in groups with the consent of the Warden.

24. With the consent of the Warden relations whose names are registered may be seen in the Visitors' Room.

25. No boarder shall lodge any outsider (whether her guardian or friend) in her room without the permission of the Warden.

26. The Warden may for good and sufficient cause exclude any outsider from the hostel.

27. All matters, not provided for in the above rules, shall be decided by the Pro-Vice-Chancellor.

XXVII Further Rules for Hostels.

1. No boarder shall be allowed to leave the hostel and live elsewhere until he produces a letter from his parent or guardian to that effect.

2. Every boarder shall be required to pay all hostel dues until his name is removed from the hostel register.

3. None but regular students of the University shall be allowed to reserve seats in Hostel No 1. and

The seat reserving fee shall not be refunded so long as seats are provided for.

4. No student residing in any hostel under the control of the University shall visit any cinema or theatre without the special permission of the Assistant warden. Except in a very special case, such permission shall not be granted more than twice a month and the Assistant warden should by arrangement with the company fix the days on which such permission will be granted and arrange with the manager of the cinema or the theatre to ensure (i) that the films which will be exhibited will be unobjectionable and (2) that the place also is otherwise unobjectionable.

XXVIII Application Form for Admission to University Hostels.

To

THE PRINCIPAL,

.....COLLEGE,
 BENARES HINDU UNIVERSITY,
 BENARES.

Sir.

I seek admission into a University Hostel. I have read and understood all the rules and if I am admitted, I promise to abide by them. I will join.....Class of the.....College.

Date

Yours Obediently

Particulars to be filled up by the applicant.

1. Name of applicant.
2. Father's name.
3. Guardian's name, occupation and address.
4. Relationship of the guardian to the applicant.
5. Applicant's age.
6. Whether the applicant is married or unmarried.
7. Religion. Caste (if any).
8. District and town or village of permanent residence.
9. Address where communication should be sent during the applicant's absence from the hostel.
10. College or school where last educated.
11. The game or games in which the applicant will take part.
12. Date of application.

Forwarded to the warden for disposal.

Principal.

Date

.College.

XXIX. Form of Application for the Appointment of Hostel Servants.

Name.

Father's name.

Present address.

Age.

Caste.

Previous employment.

Permanent residence.

(a) Police station.

(b) Village.

Reference about character.

N. B. A certificate of character from the previous employer should be required to be attached to the application.

XXX. Regulations Regarding Residence of Students.

The Principals of the different colleges of the Benares Hindu University shall print the following Regulations and Rules in the forms of admission of their respective colleges:—

(1) No student shall be admitted to the University or to any constituent College until the question of his residence has been settled.

(Reg. 3 Chap. XI)

(2) Every student shall reside in a University Hostel or if he is a student of a constituent College, in a College Hostel, unless allowed by the Pro-Vice-Chancellor to reside with his parents or guardians, under such conditions as the Pro-Vice-Chancellor may, from time to time prescribe.

(Reg. 1 (a) Chap. XI)

(3) For the purpose of these regulations the term guardian shall mean

(1) The legal guardian of the student if one has been appointed or in his absence, or if the student has no parent living, a near relative of responsible age

- (II) a person declared in writing by the student's parent or, if he has no parent living by one of the persons described in (i) above to be his guardian.
- (III) if the student has no parent, near relative or legal guardian, a person approved by the Pro-Vice-Chancellor.

In all cases, the person declared to be the student's guardian must be approved by the Pro-Vice-Chancellor as a suitable person in age and position to act as guardian.

(Reg. 4 Chap XI)

(4) Applications for admission to the Hostels should be made in a prescribed form (obtainable at the Principal's office) to the Principals of the Colleges who will forward them to the wardens for disposal.

XXXI. Printing of Hostel Rules in Prospectuses.

The Principals of the constituent Colleges shall embody in the Prospectuses of their respective colleges rules relating to Hostels and each student should on admission be provided with a copy of the rules relating to Hostels.

XXXII. Exemption from Hostel Fees.

The Students' Residence Committee is empowered to exempt students from payment of the Hostel fee in special cases.

XXXIII. Proceedings of the Student's Residence Committee.

The proceedings of the Students' Residence Committee do not require approval or confirmation by the Syndicate but in view of the power of control vested in the Syndicate it is necessary for the committee to send copies of their proceedings to the Registrar for the information of the Syndicate.

XXXIV. Duties of the Medical Officer.

1. The Medical Officer will reside on the premises in the quarters assigned to him.

2. He will be in Medical charge of the Professors Teachers, Boarders and other members of the College who reside on the premises. 'Premises' mean the College compound and the various Hostels. He will also give medical help to honorary workers who live within half a mile of the College, as also to the menial staff of the College who reside on the premises. He will not be expected to attend in their houses on people not residing on the premises.

3. He will advise the University authorities in matters connected with sanitation.

4. He will be in charge of all Drugs, Medical Stores and Hospital necessities.

5. He will keep all the "Poisons" in a separate almirah and retain the key himself.

6. As far as possible, all poisonous drugs should be dispensed in his presence.

7. He will visit the Boarding Houses regularly twice a day.

On arrival at each Boarding House a gong will be sounded, and such of the Boarders and members of the menial staff as have only minor complaints will come and consult the Medical Officer at his Office.

The Professors and teachers and those Boarders who are unfit to come to the Office, will be attended in their own quarters.

8. Besides regular attendance, the Medical Officer will attend all cases of sudden illness, as soon as advised of the same by the Superintendent or the House Master.

9, The Medical Officer will maintain a Register called

the Out-Door Register, in which he will enter the names of all the cases that are treated by him. This register will also show the serial number, date of illness, and the nature of disease.

10. The Medical Officer will maintain a Stock Register or Register of all Drugs, Medical Stores, Hospital Necessaries and instruments. Every three months they should be examined with a view to show the condition of the instruments, etc., and the amount of each drug used during the quarter.

11. Private practice will be allowed, provided it does not interfere with the Medical Officer's legitimate duties.

12. He should arrange to undertake the medical examination of all the Boarders of the College and the School twice every year.

XXXV. Library Rules.

1. The Library will remain open from 10-30 A. M. to 4. P. M. except on holidays observed by the University Offices.

2. Books may be taken out on loan by:—

(a) Resident members of the University.

(b) Members of the staff of the Central Hindu School on the responsibility of the Head master.

(c) Other Universities, learned societies and public libraries on terms of reciprocity, and with the approval of the Library Committee.

(N.B.—In case of borrowers outside Benares, the cost of transit both ways must be borne by the borrower).

3. Reference books shall not be lent out, except to members of the staff and post-graduate students on the

recommendation of their professors. Such books must ordinarily be returned within three days.

4. Books and Mss. of special value or importance, a list of which shall be prepared by the Librarian, for the approval of the Library Committee, shall not be issued except with the permission of the Library Committee, and on payment of a suitable deposit if required by the Library Committee.

5. Undergraduate students can borrow two volumes at a time and keep them for a fortnight, post-graduate students can borrow four volumes at a time, and keep them for a month (they may however be allowed to borrow to the extent of eight books on the recommendation and responsibility of their professor). Members of the staff can borrow 20 volumes including text-books, and can keep them for a month subject to recall after 14 days, if required by any other person. Others will be entitled to borrow not more than two volumes at a time, and to keep them for a fortnight only.

6. A cash deposit of Rs. 5 from the undergraduates and Rs. 15 from the post-graduate students wishing to borrow books from the library shall be charged and shall be refunded when they leave the University on producing a certificate from the Librarian that nothing is due to the Library.

7. Borrowers shall be responsible for any damage to books taken out by them, and for their replacement in case of loss. Books must not be transferred by one borrower to another. A fine ranging from Re 1 to the total value of the book shall be charged for damaging any book.

8. Books that have been taken out may be recalled at any time.

9. All books issued must be returned three weeks before the Summer Vacation for the annual stock-taking.

10. Books shall not be kept by the borrower beyond the

fixed period but they may be re-issued if there be no other applicant for them.

11. No student is allowed to take books from the almirah himself, and any student violating the rule, shall be liable to loss of the privilege of using the Library.

12. Books will be issued on the borrowing card alone, In case of the loss of the card, annas two will be charged for a fresh card.

13. Non-observance of Rule No. 10 by students will entail a fine of one anna, per volume per day, except for satisfactory reasons, the amount to be collected by the college authorities along with fees.

14. Books shall not in any case be taken out of the Library by students on consultation forms. Students doing so shall be liable to a fine of four annas.

15. Silence shall be observed in the Library.

16. Infringement of the rules may entail loss of the privilege of obtaining books from the Library. Any case of the infringement of the Rules shall be dealt with by the Librarian to the extent of suspension from the privileges of the Library till the next meeting of the Library Committee to which the Librarian shall report such cases.

XXXVI. Permanent Dates for Examinations.

- | | |
|---|-------------------------|
| 1. Admission & Praveshika. | Third Monday of March. |
| 2. Intermediate, B. A.,
B. Sc., and L. T. | Last Monday of March. |
| 3. M.A., M.Sc., Madhyama,
Sastri, LL.B., Interme-
diate (Engineering)
Parts I & II, B. Sc.,
Engineering Parts I and | Second Monday of April. |

II, B.Sc. (Mining and
Metallurgy) Part II
Intermediate (Mining
and Metallurgy) Part I,
Shastracharya.

- | | |
|--|--|
| 4. Intermediate (Mining & Metallurgy) Part II
B.Sc. (Mining & Metallurgy) Part I. | First Monday of March. |
| 5. The Previous Examination in Samskrit. | First Monday after the Dasahra Vacation and the second Monday after the winter vacation. |

N. B.—If a holiday falls on the date of commencement of an examination, the examination will begin on the day following.

XXXVII. Private Candidates for the Admission Examination.

1. Private candidates shall not be allowed to take Science or Manual Training as one of the subjects of the Admission Examination unless they satisfy the Syndicate that they have completed a course of instruction in Science or Manual Training as the case may be.

2. Permission will not be granted to appear privately at the next ensuing Admission Examination to candidate who have failed to obtain promotion into class X or the equivalent class in any School.

XXXVIII. Honours Courses.

It a student fails to qualify himself for the Honours degree it will not affect his passing in the ordinary degree if he obtains the necessary marks.

XXXIX. Rustication of Students.

All cases of rustication or expulsion from the University shall, as a rule, be communicated to the Registrars of other Indian Universities and shall be notified in the Gazette.

XL. Permanent Dates for Meetings of University bodies.*The Senate.*

The Ordinary Meetings of the Senate shall be held on the Second Saturday in March and on the Second Saturday in October provided that if the latter should occur during the Dasahra the meeting be held on the Saturday immediately following the expiry of the holidays and that any other meeting of the Senate be held as far as possible, on a Saturday.

The Syndicate.

The Monthly Meetings of the Syndicate, shall be held on the First Monday of each month except during the vacation, and other meetings of the Syndicate, as far as possible, on Mondays.

The Faculties.

The Annual Meetings of the Faculties shall be held as far as possible during the week of the Senate Meeting, and

If any other meeting of a Faculty be held in connection with a Senate Meeting it shall be held, as far as possible during the days immediately preceding the Senate Meeting.

The Library Committee.

The meetings of the Library Committee shall be held as far as possible on the third Monday of every month.

XLII. Leave Rules for Students of the Teachers' Training College.

1. The Principal may grant to students casual or sick leave up to twenty days, but the period of casual and sick leave combined should not exceed thirty days during the session. Such leave will be on full stipend, half stipend or without stipend at the Principal's discretion.

2. The Principal may also grant to students leave without stipend in emergent cases not exceeding 30 days during a session when no other kind of leave is admissible,

3. If more leave is required than can be given under Rules 1 and 2, reference will be made to the Syndicate for determining if the student concerned should be sent up for the L. T. Examination and if more leave should be given him. Days by which a student is late in joining the College will be counted as leave without stipend for purposes of this Rule,

4. Leave, if granted, in continuation of College holidays will be without stipend, except in very rare circumstances unless (a) the student concerned submits a written request that the whole combined period should be regarded as leave, and (b) such long leave be available under Rule 1.

5. Stipendiary students absent from the College without leave will forfeit double the amount of their stipends for such period of absence. Overstaying leave or holidays is absence without leave within the meaning of this Rule.

6. Non-stipendiary students will have the same privileges as stipendiary ones regarding the total period of leave. Fine may be imposed on them in cases of absence without leave.

7. Any student absent for seven consecutive days without leave is liable to have his name struck off the Roll. If leave applied for is not granted the case is of absence without leave.

8. In all cases except in emergencies should leave be obtained before absence. The Principal may refuse to

grant leave simply because application is made after the applicant has absented himself.

XLII. Recognition of Schools.

Schools and Pathsalas applying for recognition by the University shall submit information under the following heads:—

- (1) Name of School or Pathsala.
- (2) The special aims of the Institution.
- (3) Town, District and Province.
- (4) The examination for which it desires recognition.
- (5) Whether the institution was affiliated at any time to any other University or educational body.
- (6) History of the institution.
- (7) Total number of students as well as number of students in each class or section.
- (8) Subjects taught.
- (9) Provision and appliances for instruction.
 - (a) Library (a copy of the Catalogue, if available should be supplied).
 - (b) Laboratory arrangements (if Science is taught).
 - (c) Maps for instruction in Geography.
 - (d) Models and pictures for instruction in Drawing.
 - (e) Tools for instruction in Manual Training (if Manual Training is taught).
- (9) (a) Provision of hostel accomodation.
- (10) Provision for games and gymnastics and details about playgrounds.

- (11) Provision for Religious Instruction.
- (12) Provision for medical inspection.
- (13) The scale of fees in each class.
- (14) The financial position of the institution and sources and amount of income from:—
 - (a) Permanent funds.
 - (b) Income from fees.
 - (c) Grants.
 - (d) Other sources.
 - (e) Total income.

(A detailed statement of the last annual budget of receipts and expenditure should also be sent).
- (15) Accomodation.

(Dimensions of rooms should be mentioned; a plan of the buildings including play-grounds and a photograph of the institution should be supplied).
- (16) Constitution of the Managing Body and rules of management and names of members of the Managing Body.
- (17) Whether any provision is made for the representation of the teaching staff on the management.
- (18) List of Registers and Account Books kept.
- (19) Remarks.

2. The management, when applying for recognition, shall also undertake:—

- (i) to abide by the Regulations of the University relating to the Recognition of schools and Path-

salas. (Vide Chapter XVII) and such bye-laws as the Syndicate may lay down from time to time in connection therewith;

- (ii) to keep the institution open for inspection by the University; and
- (iii) to furnish such information and returns as may be called for from time to time by the University.

XLIII. The Academic Costumes.

*For the Chancellor:—*A purple teray velvet gown, made like an Oxford Proctor's dress gown, with *four inch* gold lace down the fronts and round the bottom of the sleeves outside. If a cap is worn, it should be a black velvet academic cap, bound round with gold lace and gold tassel, ten inches long.

*For the Pro-Chancellor:—*A purple teray velvet gown made like an Oxford Proctor's dress gown, with *two-inch* gold lace down the fronts and round the bottom of the sleeves outside. If a cap is worn, it should be a black velvet academic cap, bound round with gold lace, and gold tassel, seven and a half inches long.

*For the Vice-Chancellor:—*A purple teray velvet gown, made like an Oxford Proctor's dress gown, with *four-inch* silver lace down the fronts and round the bottom of the sleeves outside. If a cap is worn, it should be a black velvet academic cap, bound round with silver lace and silver tassel, ten inches long.

*For the Pro-Vice-Chancellor:—*A purple teray velvet gown, made like an Oxford Proctor's dress gown, with *two-inch* silver lace down the fronts and round the bottom of the sleeves outside. If a cap is worn, it should be a black velvet academic cap, bound round with silver lace and silver tassel, seven and a half inches long.

For the Registrar and Members of the Senate and Syndicate:—A midpurple No. 281 silk or stuff gown, of Oxford University Master of Arts pattern, and a scrap of old gold No. K-10 silk, four inches wide, with a fringe of the same colour three inches deep. (Members of the Senate or Syndicate, who are graduates of any other University, may wear the gown and hood prescribed by their University for the degrees they may hold). For their head dress, they shall wear a turban of Kapoori light cream colour, or, if preferred a black square cap, with black silk tassel.

For the degree of Bachelor of Arts:—A midpurple No. 281 stuff gown, cut like the Oxford University Bachelor of Arts gown, and a hood made of silk of the same colour, edged with a band of old gold K-10 cardinal colour silk, of one inch width on both sides, lined with old gold K-10.

For the degree of Master of Arts:—A midpurple No. 281 stuff gown, cut like the Oxford University Master of Arts gown, and a hood made of silk of the same colour. The colour of the band on the edge of the hood shall also be old gold K-10, lined throughout with old gold K-10.

For the degree of Bachelor of Science:—A midpurple No. 281 stuff gown, cut like the Oxford University Bachelor of Arts gown, and a hood made of silk of the same colour, edged with a band of light 265 blue silk, of one inch in width on both sides. The lining of the hood shall be blue 265.

For the degree of Master of Science:—A midpurple No. 281 stuff gown, cut like the Oxford University Master of Arts gown, and a hood made of silk of the same colour, lined and edged throughout with light blue 265.

For the degree of Licentiate of Teaching:—The B.A. gown, with a hood like that for the M.A. degree lined throughout with cardinal silk.

Head dress for all Graduates:—All graduates shall wear a turban of Kapoori light cream colour, or, if preferred, a black cloth square cap, with black silk tassel.

*For the degree of Doctor of Letters:—*The gown shall be of scarlet silk with full sleeves and with facings of K-10 old gold silk. The hood shall be of K-10 old gold silk with scarlet facing. The head dress shall be a safa of Kapoori light coloured silk or a black cloth square cap with black silk tassel.

*For the degree of Shastri:—*A white Dhoti, a white chapkan, a white uttariya and a safa of light yellow colour.

For the degree of LL. B. A mid-purple No. 281. stuff gown cut like the Oxford University Bachelor of Arts gown and a hood made of silk of the same colour, edged with a band of light green silk of one inch width on both sides.

For the degree of LL.M. A mid-purple No. 281, stuff gown cut like the Oxford University Bachelor of Arts gown and a hood made of silk of the same colour lined and edged throughout with light green silk.

For the degree of LL. D. The gown shall be of scarlet silk with full sleeves and with fringes of light green silk. The hood shall be of light green silk with scarlet facing. The headdress shall be a safa of light kapoori light-coloured silk or a black cloth square cap with black silk tassel.

*For the B. Sc. Degree in Engineering—*A mid-purple (No. 281) stuff gown, cut like the Oxford University Bachelor of Arts gown and a hood made of silk of the same colour, edged with a band of shining cream-coloured silk of one inch width on both sides, lined throughout with silk of the same colour,

For the degree of Shastracharya—

A white dhoti, a white chapkan, a white uttariya and a turban of light yellow colour and six-pointed silver-starbadge with the crest of the University and the following words inscribed there on:—

काशी विश्वविद्यालय, शास्त्राचार्य ।

XLIV. Rules for and Procedure to be adopted at the Convocation for conferring Degrees.

1. A Convocation for the purpose of conferring Degrees shall be held annually, in the month of October or November, or at such other time as the Chancellor shall direct.

2. Candidates for degrees must, ten clear days before the day fixed for the Convocation, inform the Registrar, in writing, of their intention to be present. No person shall be admitted to the Convocation who has not thus sent in his name to the Registrar.

3. Any person, who, having sent in his name to the Registrar as a candidate for a degree at a Convocation, fails to appear, shall, when he next appears for his degree, be charged a fee of rupees ten, unless he can furnish to the Syndicate a sufficient reason for his non-appearance.

4. A candidate for a degree, who is not resident within the Benares District at the time, or who from some un-avoidable cause is unable to be present in person, may, with the permission of the Syndicate on payment of a fee of rupees ten, be admitted *in absentia* to that degree at the Annual Convocation.

5. A woman candidate for a degree, who is precluded by custom from appearing in public, may be admitted *in absentia* to her degree and without any fee, provided that she informs the Registrar, in writing, ten clear days before the day fixed for this convocation, of her desire to be so admitted to the degree.

6. The Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and members of the Senate, shall assemble in the Senate Room at the appointed hour.

7. The Graces of the Senate, on behalf of the candidates for admission to the several degrees, will be supplicated in the following order :

Theology:—By the Dean of the Faculty of Theology.

Oriental Learning:—By the Dean of the Faculty of Oriental Learning.

Arts:—By the Dean of the Faculty of Arts.

Science:—By the Dean of the Faculty of Science.

8. The formula to be used for each Grace shall, *mutatis mutandis* be as follows:—

“ I move that a Grace of the Senate be passed that those persons whom the examiners have certified to be qualified for the degree of.....be admitted to that degree.”

9. Whereupon the Chancellor or the Vice-Chancellor shall put the question:—

“ Doth it please you that this Grace be passed?” and, the the Senate assenting, the Chancellor or the Vice-Chancellor shall say—

“ This Grace is passed.”

10. When all the Graces have been passed, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and Members of the Senate shall walk in procession to the Hall in which the degrees are to be conferred.

11. Candidates shall be presented in the gowns and hoods pertaining to their respective degrees.

12. On the procession entering the Hall, candidates present shall rise and remain standing until the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and Members of the Senate have taken their seats.

13. The Chancellor, the Pro-Chancellor, the Vice-Chancellor, or the Pro-Vice-Chancellor and Members of the Senate having taken their places, the Chancellor, or the Vice-Chancellor shall say:—

“This Convocation of the Senate of the Benares Hindu University has been called to confer degrees upon the candidates, who, in the examinations recently held for the purpose, have been certified to be worthy of the same. Let the candidates stand forward.”

14. Then the candidates standing, the Chancellor or the Vice-Chancellor shall put to them, the following questions :

१. अनुयोगः—“अपिस्विदपालीकमभिलपन्तः सङ्गिरन्ते भवन्तः यत्तद्भवद्भिरीप्सितानां तत्तद्वैज्ञानिकव्यपदेशानां यथायथमभिनान्दितामार्हन्तामुपारूढैः, साधुजननेदीयसीपदवी विश्वविद्यालयस्यास्य समुचिता, पूतेन मनसा सुनृतेन वचसा समवदतिन कर्मणा च, नितान्तं निषेव्येत ॥”

Q.—“Do you sincerely promise and declare that if admitted to the degrees, for which you are severally candidates and for which you have been recommended, you will in thought, word and deed conduct yourselves as becomes members of this University?”

प्रतिवचनम्—प्रतिजाने ।

A.—“I do promise.”

२. अनुयोगः—अपिनाम सङ्गिरन्तेभवन्तः—यदेतद्धर्मविज्ञान पथयोः योग-
जेमधुरा यावदवकाशं यावच्छक्ति च, निरुह्येत भवद्भिः ॥

Q.—“Do you promise that, to the utmost of your opportunity and ability, you will support and promote the cause of morality and sound learning?”

प्रतिवचनम्—प्रतिजाने ।

A.—“I do promise.”

अनुयोगः—अपिनाम सङ्गिरन्तेभवन्तः—यदिह विश्वजनीनव्यवस्थासम-
वस्थयोः परिपालने समुपलालने च यथाशक्ति व्याप्रियेत भवद्भिः ॥

Q.—“Do you promise that you will, as far as in you lies, uphold and advance social order and the well-being of your fellow-men?”

प्रतिवचनम्—प्रतिजाने ।

A...“I do promise.”

15. The Chancellor or the Vice-Chancellor shall say :—

“ Let the candidates be now presented.”

16. Then the candidates shall be presented to the Chancellor (or the Vice-Chancellor) by the Heads of the respective departments of the University, being members of the Senate, and the following formula shall be used for the purpose :—

“ Sir, I present unto you.....who has been examined and found qualified for the Degree of....
.....to which I pray he may be admitted.”

17. The candidates shall receive their diplomas from the Chancellor (or the Vice-Chancellor),

18. When the candidates for the same degree have been presented, the Chancellor, or the Vice-Chancellor shall say to the candidates, who shall remain standing: (The names of the candidates to be inserted at the beginning of the formula).

“.....by virtue of the authority vested in me as Chancellor (or Vice-Chancellor) of the Benares Hindu University, I admit you to the degree of.....of this University, and, in token thereof, I present this diploma to you and authorise you to wear the hood ordained as the insignia of your degree.”

19. The Registrar shall then read out the names of the candidates to be admitted to the different degrees *in absentia* and shall say :—

“ I pray that the following be admitted to.....degree *in absentia*,” upon which the Chancellor (or the Vice-Chancellor) shall say :—

“ I admit.....to the.....degree.”

20. When all the candidates have been admitted to the different degrees, the Registrar shall lay the record of the degrees that have been conferred before the Chancellor (or the Vice-Chancellor) who shall sign the same.

21. An exhortation to the graduates will then be recited in Samskrit.

22. Then an address shall be made to the candidates by the Chancellor or the Vice-Chancellor, exhorting them to conduct themselves suitably unto the position to which by the degrees conferred upon them they have attained.

23. At the close of the address, the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and the Members of the Senate shall rise and the Chancellor (or the Vice-Chancellor) shall say:—

“I dissolve this Convocation.”

24. Then the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor and Members of the Senate shall retire in procession to the Senate Room, the graduates standing.

XLV. Proceedings of the Board of Appointments

The Proceedings of the Board of Appointments shall be treated as confidential.

XLVI. Proceedings of the Council

The Agenda and Proceedings of the meetings of the Council shall be treated as confidential and no member shall communicate to the press any part of such Agenda or proceedings and whenever it may be deemed necessary to publish any part of the Agenda or proceedings such publication shall be made only after a resolution in that behalf has been passed by the Council.

XLVII. Proceedings of the Court.

The Proceedings of the meetings of the Court can be reported in newspapers.

XLVIII. Notice of matters to be brought at meetings of the Council

Notice of all matters to be brought before the meetings of the Council must reach the Secretary to the Council not less

than three clear days before the date fixed for the meeting and except with the special permission of the Chairman of the meeting no other matter, notice of which had not been so given would be brought before the meeting.

XLIX. Rules regarding the payment of Travelling and Halting Allowance to the Members of University Bodies and the Examiners

1. Members of the Court, the Council, the Senate, the Faculties, the Syndicate, the Boards of Studies and the Board of Appointments, shall be entitled to draw the actual sum spent by them in travelling from their respective places of residence to Benares and back, and during their stay at Benares, for the business of the University, provided that the sum so spent shall not exceed *one first class railway fare* each way, by the shortest route, and *rupees five a day* on account of halting allowance for each day of work at Benares.

2. The amount drawn as halting allowance may consist of gharry or palki hire from their place of residence to the University meetings and back. It may also include charges incurred for travelling payable on account of any servant brought by them and all other expenses incurred in the journey, so long as it does not go above the maximum amount allowable under Rule 1.

3. Where there is no railway communication between the place of residence of any member, or such railway communication is available for only a part of the journey, the member shall be entitled to draw reasonable expenses for the journey by road, subject to a *maximum of annas eight per mile* for the journey by road.

4. In special cases, the Council may allow such extra expenditure as it may deem fit.

5. In case of doubt or difference of opinion, the Registrar or Officer in charge of the Registrar's duties, shall refer

the matter to the Vice-Chancellor, or the Pro-Vice-Chancellor and, subject to the final control of the Council, the orders of the Vice-Chancellor or the Pro-Vice-Chancellor shall be final.

6. Local members, who have no conveyance of their own, shall be entitled to draw reasonable charges for conveyance to the place of the meeting and back.

7. These Rules shall apply with effect from 1st November, 1916, and shall be applicable to all meetings held after the said date.

N. B.—The Travelling and Halting Allowances shall be paid to examiners on the same scale as to the members of the Court, the Council, etc.

L. Travelling and Halting Allowance Rules for officers serving under the University.

**FOR OFFICERS IN CLASS I i.e., THOSE GETTING RS. 500
P. M. AND UPWARDS.**

Travelling Allowance.	Single First Class by Rail or Steamer.
	8 annas per mile by road.
	Single Third Class by Rail or Steamer (for one servant).
	One anna per mile by road (for one servant).
Halting Allowance.	Rs. 3 per day.
	4 annas per day (for one servant)

**FOR OFFICERS IN CLASS II, i.e., THOSE GETTING RS. 150
OR MORE, BUT LESS THAN RS. 500 PER MONTH.**

Travelling Allowance,	Single Second Class by Rail or Steamer.
	4 annas per mile by road.

	Single Third Class by Rail or Steamer (for one servant).
	One anna per mile by road (for one servant).
Halting Allowance.	Rs. 2 per day. 4 annas per day (for one servant)

FOR OFFICERS IN CLASS III, i.e., THOSE GETTING RS. 25
OR MORE, BUT LESS THAN RS. 150 PER MONTH.

Travelling Allowance.	Single Inter Class by Rail or Steamer, Two annas per mile by road. Single Third Class by Rail or Steamer (for one servant), One anna per mile by road (for one servant),
Halting allowance.	Re. 1 per day. Four annas per day (for one servant).

FOR OFFICERS IN CLASS IV, i.e., THOSE GETTING LESS
THAN RS. 25.

Travelling Allowance.	Single Third Class by Rail or Steamer. One anna per mile by road.
Halting Allowance.	Four annas per day.

Note.—1. These Travelling and Halting Allowances will be paid only when officers are deputed on duty.

2. Travelling allowance is not ordinarily allowed to any person for a journey to join his first appointment.

3. Officers sent out to realise subscriptions and donations will be paid actual conveyance charges incurred by them

in collection work, in addition to the ordinary Travelling and Halting Allowances to which they may be entitled.

LI. Rules regarding the relations between the the Principals and the University Professors of the Benares Hindu University.

1. Applications for casual leave by the staff, including the University Professors, will be disposed of by the Principal of the Institution to which they are attached.

2. Applications for leave, other than casual, by any member of the staff must be sent, through the Principal of the Institution, to the Vice-Chancellor, or, in his absence, the Pro-Vice-Chancellor, for disposal according to the Statutes and Regulations.

3. All communications to the Vice-Chancellor by the University Professors or other members of the teaching staff in their capacity as such, shall be sent through the Principal to the Vice-Chancellor.

4. The head of any department in a College, whether a University Professor or otherwise, will have the right, subject to the Statutes and Regulations, to regulate the courses of study and the classes and lectures to be held by the teachers in his department, and will, subject to the general authority and direction of the Council, have the control of his department and its laboratories, libraries and museums, but will be subject to the control of the Principal in all matters affecting the time-table and the discipline of the students.

5. The head of the department in the College shall be responsible for presenting to the Principal, by a certain convenient date fixed by the latter, a statement showing the arrangements proposed by him for the allocation of hours, rules, classes and lectures among the various subjects and teachers in his department.

6. The Principal shall be responsible for co-ordinating the proposals of the different heads of departments, and a

copy of his co-ordination scheme shall be sent to each of the heads, within a time sufficiently long before the commencement of the course for the session, to admit of reconsideration. The heads of the different departments may make suggestions for the improvement of the scheme, and the Principal will endeavour to meet these impartially and to the best of his ability.

7. If the head of any department is dissatisfied with the Principal's final decision, he may make a concise statement of his case, through the Principal, to the Vice-Chancellor. The Principal shall forward such statements with his remarks to the Vice-Chancellor.

8. Except where the Vice-Chancellor refers a question to the Council or Syndicate, his decision shall be final and carried out by all concerned.

9. A Professor actually engaged in research work, and who on that account wants special consideration to be shown to him by way of some relief from the burden of teaching work, should make a representation on the subject to the Vice-Chancellor, through the Principal, giving particulars of the research on which he is engaged.

10. Where a Professor has to leave Benares to attend a meeting of examiners of any other University or the meeting of any academic body or any educational, literary or scientific conference, his absence should not be treated as on casual leave, but as absence on deputation, provided, however, that the permission of the Vice-Chancellor is previously obtained in all such cases. In granting permission, the Vice-Chancellor will have regard to the probable total period of such absence in the year on the part of the Professor concerned, and may grant or refuse permission as he thinks fit. Applications for permission in this behalf should be forwarded through the Principal.

LI. Leave Rules for the Employees of the Benares Hindu University.

All employees of the Benares Hindu University will be eligible for the following different kinds of leave, the sanctioning authority in all cases, except that of Casual Leave, being the Council:

1. Casual Lea
2. Privilege Leave.
3. Medical Leave.
4. Extraordinary Leave.
5. Study Leave.

1. *Casual Leave*:—Casual Leave on full pay may be granted up to the maximum limit of ten days in the academical year (1st July to 30th June). The granting of such leave rests with the Head of the Institution or office, who shall keep a register showing the date or dates, on which such leave has been taken by the different members of the staff. In the case of the Head of an Institution or Office, the sanctioning authority shall be the Vice-Chancellor, or, in his absence from Benares, the Pro-Vice-Chancellor, and such leave shall be entered by the authority granting it in a Register kept for the purpose.

In cases where it is not practicable to obtain the previous sanction of the Vice-Chancellor or Pro-Vice-Chancellor, the Head of an Institution or Office may go on leave in anticipation of sanction, putting some senior officer in charge, and report the matter to the Vice-Chancellor or the Pro-Vice-Chancellor.

Except under special circumstances and with the previous permission of the sanctioning authority, casual leave shall not be combined with any other kind of leave, and it shall not be taken in continuation of Dusserah, Winter or Summer Vacation.

2. *Privilege Leave*:—The amount of Privilege Leave earned by a member of the staff will be one-eleventh part of

the time during which he has been in active service, provided that no privilege leave can be earned when three months' such leave is due to him. The calculation must be made as follows: One calendar month for every eleven calendar months of duty, and one day for every eleven days of the balance. The amount of privilege leave admissible at one time shall be limited to three calendar months.

Privilege Leave will be on half pay to those who are allowed the summer vacation in the year, and on full pay to others.

N. B.—Privilege Leave shall not be granted at intervals shorter than six months, nor shall it be granted to those who are on probation.

3. *Medical Leave*.—Medical Leave on half pay will be given in cases of illness, provided the application for such leave is supported by a certificate from a Medical Practitioner of standing, including Vaidyas and Hakims. The period for which such Medical Leave may be granted, may extend to one month after one year's service, and to an additional month for every additional year's service, subject to a maximum limit of six months.

4. *Extraordinary Leave*.—Extraordinary Leave may be granted in special cases, but the person availing himself of this leave will get no allowance of any kind.

5. *Study Leave*.—No Rules framed as yet.

Note A.—It must be distinctly understood that no leave can be claimed as a matter of right, and that the sanctioning authority is the sole judge of the necessity for the leave.

*Note B:—*Leave should always be applied for before it is taken, except in cases where good reasons can be adduced for such application not having been made; otherwise, the Council may, at its option, regard the unauthorised absence as amounting to a break of service.

*Note C:—*No University employee, while on leave of any kind shall take up employment elsewhere, except with the previous sanction of the Council.

LII. Holidays.

THE FOLLOWING HOLIDAYS WILL BE OBSERVED IN THE
BENARES HINDU UNIVERSITY.

1. Karka Samkranti	One day.
2. Guru Purnima	One day.
3. Nag Panchami	One day.
4. Rakshabandhana	One day.
5. Janmashtami	Two days.
6. Ananta Chaturdasi	One day.
7. Vishwakarma Puja	One day.
8. Matri Navami	One day.
9. Mahalaya	One day.
10. Dasahra Vacation	29 Days (from Shukla Panchami to Shukla Tṛitiya.)
11. Probodhini Ekadasi	One day.
12. Kartiki Purnima	One day.
13. Coronation Day.	One day.
14. Winter Vacation	Nine days.
15. Makar Samkranti	One day.
16. Ganesa Chaturthi	One day.
17. Mauni Amavasya	One day.
18. Vasanta Panchami	One day.
19. Maghi Purnima	One day.
20. Shiva Ratri	Two days.

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|-----------------------|--------------|
| 21. Somavati Amavasya | .. One day. |
| 22. Holi | .. Two days. |
| 23. Varuni | .. One day |
| 24. Ramanavami | .. One day. |
| 25. Mesh Samkranti | .. One day. |
| 26. Akshaya Tritiya | .. One day. |

Summer vacation 69 days.

Days of Solar and Lunar Eclipses whenever they occur.

N. B.—In the Ministerial Offices all these holidays shall be observed with the modifications noted below:—Puja vacation 12 days. Dipavali, 2 days, Bhratridvitiya, Ganga Dasahra, His Majesty's Birth-day and Ratha Jatra one day each. No summer vacation will be given. In the Colleges of Oriental Learning and Theology instead of Sundays all Prati-padas and Ashtamis will be holidays.

LIII. Rules of the Provident Fund of the Benares Hindu University.

1. Every employee of the Benares Hindu University holding a substantive office and receiving a salary of Rs. 15 p. m. or more, shall be required to subscribe, at the rate of $6\frac{1}{4}$ per cent. on his salary, to a Provident Fund, for which an account shall be opened at the Post Office Savings Bank, in the name of the Benares Hindu University; investments being made in G. P. Notes or in such other securities as the University may, from time to time, determine, subsequently, if a sufficient amount accumulates and such investment appears advisable. The deduction shall be made upon every salary bill presented, and shall be credited at once to the Fund. In making this deduction, fractions of a rupee of the salary shall be omitted.

2. The Benares Hindu University shall make a contribution to the deposits account of each depositor, equal to one-half of the amount of the deduction made from his salary under the preceding rule. Such contribution shall be credited to the Fund, month by month, in favour of such employee; together with the deduction from his salary, and the total amount shall be deposited in the Post Office Savings

Bank within three days of each monthly distribution of salary, and, as far as possible, before the 4th of each month. The contribution shall be charged in the Benares Hindu University accounts, under the head of "Provident Fund."

3. The deposits and contributions, with interest thereon at the credit of any employee, may be withdrawn—

- (a) On the decease of the depositor, when the amount shall be paid to the person or persons nominated by him under Rule 14, or, when no such nomination is made, to his legal heir or heirs.
 - (b) On his ceasing to be in the service of the Benares Hindu University, when the amount shall be paid to the employee, provided he has put in five years' service.
4. (a) If an employee is dismissed or resigns without permission, or before putting in five years' service, the Benares Hindu University may withhold the contribution allotted to him, together with the interest accrued thereon, and pay to the employee only the balance at his credit, without such contribution and the interest on that contribution.
- (b) In the case of there being any outstandings against an employee when he ceases to be an employee, the Benares Hindu University shall deduct the amount of such outstandings from his deposits, and pay him the net balance after such deduction.

5. Notwithstanding anything contained in these Rules, no employee of the University will be entitled to the benefit of these Rules who is otherwise entitled to a pension, or on whose account the University contributes towards his pension and leave allowance, or who has been appointed by the University on a consolidated salary or on special terms.

6. Any contribution and interest withheld from a dismissed employee, shall lapse to the Benares Hindu University.

7. In case of urgent necessity which, in the opinion of the Council of the Benares Hindu University, justifies the course, the University may allow a depositor an advance of a sum, not exceeding three months' pay, from the sum deposited by him with interest thereon (excluding the contribution of the Benares Hindu University and the interest thereon). The advance will be recovered in not less than twelve, or more than twenty-four instalments. When an advance is repaid, as regards principal, in not less than twelve instalments, a thirteenth instalment, representing interest equivalent to 3 per cent of the amount of the advance, should be paid in the month following that in which the last instalment is paid. Similarly, an additional instalment, equivalent to 6 per cent, of the total amount of the advance, should be paid when the advance is repaid in more than twelve instalments. In calculating the $\frac{3 \text{ per cent.}}{6 \text{ per cent.}}$ instalments as above, a fraction of a rupee should be taken at the next higher rupee, if it exceeds 8 annas, and should be ignored, if it does not. Recoveries will be made monthly, commencing from the first payment of a full month's salary after the advance is granted : but no recovery will be made from an officer while he is on leave of any kind.

8. A separate account, in Form A, appended shall be kept in the Office on account of every depositor, and shall be signed by him annually ; and a copy of this account, which shall show every payment credited, with interest thereon, shall be furnished to every depositor annually, in November, and on his ceasing to be an employee.

9. Amounts credited or debited to the Provident Fund shall, on the same day, be posted to the Provident Fund Ledger, in Form B., appended, in full detail. The figures, for

column 8 in the Ledger must be calculated monthly, and the net balance of each account entered in columns 5 and 9 ; but the figures in these columns can be proved only once a year by the Savings Bank Pass Book. Great care should, therefore, be taken to make the monthly calculations, as far as necessary according to the rules in force in the Post Office. The Provident Fund Ledger shall have separate pages for each month's transactions.

10. No voluntary deposits from employees will be credited to the Provident Fund.

11. Employees are not eligible to subscribe to the Provident Fund while absent on leave other than Casual or Privilege Leave.

12. On a depositor leaving his service, his account shall be closed, and unless the amount at his credit be withdrawn within a certain period, *vis.*—for a balance of Rs. 10 and under, one year ; for balances over Rs. 10, three years—it shall be written off as a dead account, and repaid only under the special orders of the Council of the Benares Hindu University.

13. When accounts become "dead," they must be removed from the Provident Fund Ledger and be credited in the Cash Book as a miscellaneous receipt, the money being drawn out of the Savings Bank. On an amount being thus written off, it should be entered in a "dead account" register, in which subsequent repayment shall be noted in order to avoid a double payment.

14. Every employee coming under these Regulations shall be required to sign a written declaration that he has read these Rules and agrees to abide by them, and, within one month of these rules coming into force or of his appointment, shall hand in for registration in the University Office the names of the person or persons to whom he wishes the balance at his credit to be paid in the event of his decease.

The depositor may from time to time add to or change his nominee or nominees by written application to the Council of the Benares Hindu University.

A register of such nominees, shall be kept in the University Offices, in Form C.

15. The above Rules shall come into force with effect from 1st July, 1918.

LIV. The University Magazine.

1. The Benares Hindu University Magazine shall be published as a journal of eighty pages of the form and size of Reviews like the "Fortnightly" and the "Contemporary" every quarter.

2. Three Assistant Editors shall be appointed every two years to represent Arts and Science.

3. There shall be a Samskrit and Hindi Section in the magazine consisting for the present of eight pages.

4. There shall be a separate Students' Section containing contributions from the students of the University.

5. There shall be a section devoted to University news.

6. The subscription shall be Rs. 2 for students of the University and Rs. 3 for outsiders.

N. B.—Professor P. Seshadri has been appointed Editor and Professors M. M. Desai M. A., G. P. Mehta M. A., and P. S. Varma M.Sc. Assistant Editors of the magazine.

LV. The Constitution etc. of the University Town Committee.

The constitution of the University Town Committee will be as follows:—

Class—I Ex-officio members:

- (i) The Pro-Vice-Chancellor.
- (ii) The Chief Medical Officer.
- (iii) The Executive Engineer.
- (iv) The Electrical Engineer.

Class—II Elected members:

- (i) 3 Wardens or Sub-wardens.
- (ii) 7 students to be elected by all the residents of the hostels subject to the condition that each

hostel should have one warden or sub-warden and two students to represent it, and that one student should be elected from among the students living in residences outside the hostels.

- (iii) 2 One Representative of the occupants of houses paying rent to the University from each of the following two wards:

Ward No. I—East of the road running from the Arts College to the Post Office.

Ward No. II—West of the road running from the Arts College to the Post Office.

- (iv) One representative from each of the following Colleges:—

The College of Arts.

The College of Science.

The College of Engineering.

The College of Oriental Learning and Theology.

- (v) One Representative from among the non-resident professors.

- (vi) 2 Representatives from among the day scholars of the University.

Term of office,

2. The members of the University Town Committee shall hold office for a term of two years and shall be eligible for re-election.

Chairman and Officers of the Committee.

3. The Pro-Vice-Chancellor shall be the ex-officio Chairman of the Committee.

The Committee will appoint its own Vice-Chairman provided the first Vice-Chairman shall be nominated by the Vice-Chancellor for a term of two years,

The Committee may also appoint its own Executive Officer when it may think it necessary.

Functions of the Committee.

4. The University Town Committee shall look after the following:—

- (i) Sanitation
- (ii) Public Health
- (iii) Roads
- (iv) Arboriculture
- (v) Conservancy
- (vi) Water Works
- (vii) Lighting
- (viii) Watch and Ward
- (ix) Markets
- (x) Primary Education and other similar purposes.

Sub-Committees.

5. The Committee shall appoint such Sub-Committees as may be necessary for the efficient discharge of the work detailed above.

Eligibility for Election.

6. Every voter of a constituency shall be eligible for election as a representative from his own constituency.

Income.

7. The income of the Committee shall consist of:—

- (i) Grants made by the University Council.
- (ii) Rates etc.

LVI. Quorum for the Finance Committee.

Four members will form the quorum for the meetings of the Finance Committee.

LVII. Rules for the occupation of the University Guest House.

1. The University Guest House shall ordinarily be available for Honorary Professors of the University, members of the University bodies and such other visitors as may be 'guests' of the University for the time being.
2. The Pro-Vice-Chancellor and in his absence the Registrar shall be authorised to grant permission for its occupation.
3. In cases other than those mentioned in paragraph I, a daily charge of two rupees shall be made for the supply of residential accommodation in the Guest House.

LVIII. Superannuation Rules.

1. Members of the University staff shall retire on completing sixty years.
2. The Council shall, however, have power to extend the age of service beyond sixty years in special cases.

LIX. Rules for the Supply of Electric energy to Residents of the University Town.

1. Application for a supply of Electric Energy must be made to the Principal, Engineering College, Benares Hindu University, by the occupier of the premises.

2. The intending consumer must give at least fourteen days' clear notice before the supply is required.

3. The University provide their own Meter-boards, Main Cutouts, etc., and it must be clearly understood that these things remain property of the University and must on no account be handled or removed by any one who is not in the employ of the Electrical Engineering Department. The seals

which are fixed on the meters and the University's apparatus must on no account be broken and no circuit is to be allowed outside the Meter connection.

4. Every installation laid by the Electrical Department must be inspected, tested, found satisfactory and certified as such by the Electrical Department before connection can be made.

5. Should the consumer, at any time after the supply of current has been turned, desire to increase the number or size of lights, fans or motors, etc., on his premises, or in any way alter the position of his wiring therein, notice (in writing) must be sent to the Electrical Department whose representative will call and will carry out the necessary alterations (if they are not open to objection) and if necessary, change the Meters and Fuses. If this rule is violated the supply may be summarily cut off.

6. Should the University's Main Fuse melt, notice must be sent to the Head Office. It may only be replaced by one of their authorised assistants.

7. The servants of the Electrical Engineering Department are entitled, at all reasonable times, to enter upon premises to which the energy is supplied for the purpose of inspecting Meters and for other purposes connected with apparatus belonging to the University (see Indian Electricity Act of 1910),

8. The University may require any consumer to enter into a formal contract, and deposit security for the payment for current supplied, but in the event of no formal contract having been entered into between the University and the consumer, the latter, after once the supply of Electricity has commenced, shall be bound by the terms and conditions of supply herein set forth.

9. The price and method of charging for current supplied shall be such as may from time to time be fixed by the

University Council or such as may be made the subject of special arrangement between the consumer and the University.

10. The Electrical Department will lay the service main between the distribution main and the consumers' premises. The size and position of these mains, Meter boards and fuses will be determined by that Department.

11. The system of wiring will be selected and carried out by the University, which will also supply for the first time bulbs and shades and the occupier of the premises be charged at the rate of 6 per cent per annum on the total capital outlay thereon.

12. All costs of renewal of bulbs, shades and switches will have to be paid by the occupier.

13. The number of points to be supplied to each class of residences will be fixed by the Electrical Department and the charges to be paid by the occupier under rule No. 14 will be calculated on that basis, any additional points if required will if allowed by the Electrical Department be an additional charge at the same rate.

14. No. of Points proposed to be given.

Class A	..	..	..	30 points
„ B	..	..	..	20 „
„ C	..	..	..	15 „
„ D	..	..	..	10 „
„ E	..	..	..	8 „
„ F	..	..	..	5 „

RATES.

Prices to be charged in respect of the supply of Energy and conditions of supply—

15. When the University charge any Consumer by the actual quantity of energy supplied to him they shall be entitled to charge him at the following rates per quarter:—

For any quantity whether for lighting or power not exceeding the average rate of 40 units per quarter Rs. 22-8-0 per quarter for Class A, Rs. 15 per quarter for Class B, Rs. 12 per quarter for Class C, Rs. 7½ per quarter for Class D, Rs. 6 per quarter for Class E and Rs. 4-8-0 per quarter for Class F.

16. (i) For any quantity exceeding the average of 40 units per quarter for lighting and fans....As. 8 per unit.

(ii) For Power:

(a) For any quantity not exceeding the equivalent of one hundred hours supply per quarter at the maximum power which has been demanded. As. 4 per unit.

(b) For any quantity not exceeding the equivalent of two hundred hours supply per quarter at the maximum power which has been demanded. As. 3 per unit.

(c) For any quantity exceeding the equivalent of two hundred hours supply per quarter at the maximum power which has been demanded. As. 2 per unit.

17. A Meter charge of three rupees (Rs. 3) per quarter will be realised from each occupier. An occupier is entitled to get only one Meter for light and fans and another Meter for supply of power when it exceeds 4 B. H. P.

18. An occupier of a residence desiring to have fans in his house may buy them for himself or obtain them from the University at the rate of 1-8 per month per fan.

19. The students of the Hostels will pay such charges for lights as the University Council may fix from time to time. The present rate is a flat rate of Rs. 1-8 per month per lamp of 16 C. P. They will be charged for all repairs

and renewals separately. All charges from students will be collected along with Hostel fee and credited to the Engineering College.

20. Bills for all light and power supplied to any of the Colleges, Assistant Warden's quarters and street lighting at the standard rate will be submitted to the heads of the Colleges or to the Pro-Vice-Chancellor and on their being passed the amount due under them will be credited to the account of the Engineering College.

Lights in Hostel Verandas, kitchens and Common rooms are to be paid for in the way to be determined by the University Council.

All Electrical charges are to be realised along with the fee from the students, and in the case of the members of the Staff along with their house rent.

All charges, bills etc., other than those already provided for above will be collected by the agency that collects the rents of the residences etc., and credited to the Engineering College.

LX. Rent of Residences in the University Town.

The rent for residences in the University Town shall be charged at the rate of $5\frac{1}{2}$ percent on the outlay including cost of the land.

LXI. Rules re-Water Taxes.

The following water rates shall be charged in the University Town.

A. Class Residence	3 taps	6	0	0	per month.
B. Class	„ 2 „	4	0	0	„
C. Class	„ 2	4	0	0	„
D. Class	„ 1	2	0	0	„
E. Class	„ 1	2	0	0	„

F. Class	„	1	„	1	8	0	„
G. Class	„	outside stand	post	0	12	0	„
H. Class	„	„	„	0	8	0	„
Wardens' Quarters	2 taps	„	„	4	0	0	„
Boarders	Free						

LXII. Location of shops on the University Site.

1. Shops shall not be constructed on either side of the road leading to the two hostels.

2. They will be sufficiently away from the educational activities of the institution and shall be under the supervision of the authorities of the University.

3. Shops shall be intended only for the convenience of the University.

LXIII. Fishing and Shooting in the University Area.

Fishing and Shooting are strictly prohibited in the University Area.

VI.

Scholarships, Medals and Prizes.

(A) SCHOLARSHIPS.

(1) Scholarships for the Central Hindu College,

UNIVERSITY SCHOLARSHIPS OF MERIT,

The University awards every year scholarships to meritorious students as follows:—

- (1) Three scholarships of the value of Rs. 15 each for students joining the Intermediate classes. These will be awarded for 10 months from July to April and shall be awarded in order of merit to students who have passed the Admission examination in the First Division.
- (2) Six scholarships of the value of Rs. 18 per mensem each to be awarded in order of merit to students who having passed the Intermediate Examination of the Benares Hindu University in the First Division, join the B. A., and B. Sc. classes. These will be tenable for 10 months in the year from July to April.
- (3) Twelve scholarships of the value of Rs. 20 per mensem each for students joining the M.A. and M.Sc. classes. These will be tenable for 10 months from July to April in each session and shall be awarded in order of merit to students who have passed in the First Division, the B.A. or B.Sc. Examination of the Benares Hindu University.

The following are the rules laid down by the Council of the University for the award of these scholarships:—

1. The scholarships will be awarded only to those who are students of the University.

2. As a rule every scholarship will be tenable for two years.

3. Every scholar will forfeit his scholarship, who not being disabled by illness or prevented by any other cause which the Principal may consider sufficient, fails to make satisfactory progress in his studies.

4. With the publication of the results of the B.A. and B.Sc. Examinations a statement of the order of merit of the students who pass in the 1st and 2nd Divisions shall be published by the University so as to enable the students to know their eligibility for scholarship.

HINDI SCHOLARSHIPS.

Two scholarships of Rs. 20 per mensem each are being awarded by the University for graduates who will take up Hindi as their subject for the M. A. Examination.

BIRLA SCHOLARSHIPS.

Through the generosity of Raja Baldev Dass Birla and Seth Jugal Kishore Birla 52 scholarships known as Birla scholarships are awarded to the students of the Central Hindu College (Arts and Science) out of which 10 are for Brahmans, 2 for Sikhs, and 2 for Jain students.

The following are the conditions laid down by the Council for the award of these scholarships:—

(1) Each scholarship will be awarded annually at the rate of Rs. 15 per month terminating with the 30th of April succeeding the calendar year in which it is awarded.

(2) Every scholar shall observe strict celibacy as well

as abstain from taking meat (including fish and eggs and wine) (मद्य और मांस) as long as he is a scholarship-holder.

(3) Every scholar shall study the "Bhagavad Gita" with its translation and he shall be required to pass an examination in it.

(4) Every scholar will pledge that after he has finished his studies he will serve the motherland and help the cause of the Benares Hindu University to the best of his power.

(5) Every scholar shall promise that while following the tenets of his own faith, he will bear friendly feelings towards the different castes and creeds of the Hindu community (such as Jains, Buddhists, Sikhs, Arya-Samajists, Brahmo Samajists, etc.) as also towards the followers of other religions, and that, avoiding discord, he will endeavour to foster feelings of love and brotherhood among them; also that he will contribute as much as lies in his power towards the peace and prosperity of humanity in general.

(7) It shall be compulsory for a Brahman Scholar to learn Samskrit along with his other subjects.

(7) Every scholar shall reside in one of the University hostels unless otherwise permitted by the Pro-Vice-Chancellor.

(8) Ordinarily no undergraduate in Arts or Pure Science, shall be eligible for a scholarship unless at the time of the award of scholarship he is below 18 years of age, has a keen intellect, a strong and healthy constitution and a pure character, and undertakes not to marry until he has completed his 20th year.

(9) A scholar shall forfeit his scholarship if, in the opinion of the Syndicate, the progress made by him in his studies is unsatisfactory, or his conduct has not been in conformity with the rules laid down above.

Note—There are 25 scholarships for students of the depressed classes reading in the various Colleges of the University.

PANDIT AMAR NATH TRUST SCHOLARSHIP

The Committee of Management of Pandit Amar Nath Trust provide 2 scholarships of the value of Rs. 15 each per month. The scholarships are awarded to students after passing the Matriculation. The scholarships are to be held by the students till they pass the B. A. Examination. Preferably the scholarships are to be awarded to Kashmiri Pandit students too poor to continue their studies without such help.

RAI PANDIT KISHEN NARAIN GURTU SCHOLARSHIP.

According to the deed of settlement of Rai Pandit Indra Narain and others, it was decided as intimated by Pandit Brij Narain Gurtu, Vakil, High Court, Allahabad, (at present residing at Cawnpore) that the sum of Rs. 84 will be sent in the beginning of July in each year to the Central Hindu College in order that the College may give one or two scholarships to one or two students as they choose. The scholarship shall be named Rai Pandit Kishen Narain Gurtu Scholarship. The students selected should be studying Sanskrit as their second language. They should be intelligent and fond of studies and should be too poor to continue their education without some such help. Kashmiri Brahman students, who may be fond of studies but poor, shall have preference over others.

RAI BAHADUR PANDIT KANHAIYALAL SCHOLARSHIP.

Rai Bahadur Pandit Kanahaiyalal, M. A., L. L. B. Additional Judicial Commissioner, Oudh, Lucknow, placed the sum of Rs. 3,340 at the disposal of the University to be invested in $3\frac{1}{2}\%$ Government Promissory notes of 1854-1855 of the face value of Rs. 3500 the interest of which is spent in awarding a scholarship to a Nagar Brahman student vide his

letter dated the 5th October, 1912, and resolution No. 9 of the Working Committee of the Committee of Management of the Hindu University Society, held on the 19th January, 1913) the donor kindly promised to raise his endowment to Rs. 10,000 (vide his letter dated 28th June, 1917) The endowment now amounts to Rs. 8,500.

JAIN VIDYAUDYOG VARDHAK MANDAL SCHOLARSHIPS.

By a letter dated the 1st March, 1924, Messrs. Shantidas Askaran and Khushal T. Shah, Secretaries of the Jain Vidyaudyog Vardhak Mandal, Bombay communicated a resolution of the said Mandal to the effect that out of the accumulated amount of the Jain Vidyaudyog Vardhak Mandal Fund a sum of Rs. 10,000 (ten thousand) be given in the form of promissary notes of 3% to the Benares Hindu University on condition that the annual interest on the sum be given by way of two regular monthly scholarships of equal amount to a Jain student passing the Intermediate Examination of the University with the highest marks in the first class and continuing his studies for the B. A. degree with History and Economics as his optional subjects. The resolution was considered and the offer has been accepted by the Council of the Benares Hindu University under its resolution no. 6 of the meeting held on the 14th April, 1924.

VOHRA KARUNASHANKAR JUTHABHAI SCHOLARSHIP.

By a letter dated 18th August, 1924, Mr. Manshankar P. Mehta of Bhavnagar, as trustee of the Trust Fund of Vohra Karuna Shankar Juthabhai, an inhabitant of Bhavnagar, communicated the sanction of the Chief Justice's court at Bhavnagar to hand over to the Benares Hindu University the six per cent 1932 Government Bonds of the face value of Rs. 2,100 from the said trust fund on the following conditions:—

(1) That the said fund should be named as the Vohra Karuna Shankar Juthabhai Scholarship Fund.

(2) That the scholarship of Rs. 10/- per mensem be paid from the interest of the said fund to any Brahmin candidate who gets admission to study in the Arts line with Samskrit as his second language after passing the Entrance Examination. If there be more than one Brahmin candidate the said scholarship be paid to the one most needy.

(3) That the said scholarship be paid to the same candidate till he passes the B. A. Examination but that the University be authorised to forfeit the payment of the scholarship to the candidate if his progress be found unsatisfactory during the time he finishes the B. A. studies and to award the same scholarship in lieu to any other Brahmin candidate under the aforesaid condition (2).

(4) That the University be authorised to make any fit change in the stipend or the scholarship according as there be an increase or decrease in the income of the said fund.

(5) That the University be authorised to use the net savings of the income of the said scholarship fund after deducting all incidental charges of the said fund, as help in the form of a prize or books to the Samskrit students of the college.

(6) That the accounts of the said scholarship fund be published every year in the yearly report of the University and that a copy of the same be sent to Mr. Manshanker P. Mehta every year.

The offer was accepted by the Council of the University under its Resolution No, 1 of the meeting held on the 6th. September 1924.

RAJA UDIT NARAIN RAI SCHOLARSHIP.

Rai Brij Narain Rai of Padrauna deposited a sum of

Rs. 2,000 in the Bank of Bengal, Benares, the interest to be disposed of as follows:—

A scholarship and a medal shall be awarded in the name of his father, Raja Udit Narain Rai. Out of the annual interest of Rs. 70, Rs. 10 shall be allotted for the medal bearing the name of Raja Udit Rarain Rai and it shall be awarded to the student of the Central Hindu College who stands first in the Intermediatè Examination and the remaining Rs. 60 shall be utilized in awarding scholarship of Rs. 5 p. m. to the same student who gets the medal if he continues his studies in the B. A. Class of the Central Hindu College. If he does not do so, then the scholarship shall be given to the student standing next to him, if that student continues his studies in the B. A. Class of the Central Hindu College.

J. S. GADGILL SCHOLARSHIP.

According to the Will of Mr. J. S. Gadgill a sum of Rs. 7,000 has been deposited by Mr. M. V. Bhatt to award a scholarship of Rs. 20 p. m. to the student who takes the first rank in Samskrit amongst the students of the school in the Matriculation Examination. The Scholarship is held for 3 years by the recipient and is called the J. S. Gadgill of Wai Scholarship. The balance is utilized for anything which the authorities may deem proper.

THAKUR KOKARSAY JADOJI SANATAN DHARMA SCHOLARSHIP.

Mr. J. J. Vindalal deposited a sum of Rs. 1,000 to found a scholarship to be given to the student of the Entrance Class of the Central Hindu School who passed best in the Elementary Text Book and continued his studies in the Central Hindu College. The amount of scholarship is Rs. 25 per annum, being the interest of the endowed fund and to be given at the rate of Rs. 3 for the first month and Rs. 2 for the other eleven months.

SRIMATI GOMTI BAHU SCHOLARSHIP.

By a letter dated the 21st September, 1921 Dr. Sobha Ram of Benares endowed a sum of Rs. 2000 for founding a scholarship to be given to a poor and deserving student in the name of his aunt Shrimati Gomti Bahu. The following are the rules laid down by the Syndicate for the award of the said scholarship.

(1) The scholarship shall consist of the annual interest from the endowment paid in ten monthly instalments in the academic year, beginning with July.

(2) It shall be awarded annually to a poor and deserving student of the Intermediate Classes of the Central Hindu College.

(3) It shall generally be awarded to a student of the First Year Class, who shall have a preferential claim to it in the succeeding year, if his conduct and progress have been satisfactory.

(4) The scholarship shall be forfeited in the event of misconduct or want of satisfactory progress, the decision in the matter to rest with the Syndicate.

UTTAMI SCHOLARSHIP.

Babu Jagat Narain of the United Provinces Judicial Service, has undertaken to remit Rs. 12 monthly during his lifetime to maintain 2 scholarships of Rs. 6 each which are awarded to poor deserving students of the College at the discretion of the Principal.

A. T. BANERJI SCHOLARSHIP,

Babu Bhagwan Dayal deposited Rs. 350 to found this scholarship to be awarded to a deserving student of the Central Hindu College.

MANSUKH RAM SURYA RAM TRIPATHI SCHOLARSHIP,

Mr. Tansukh Ram Mansukh Ram Tripathi of Nadiad deposited Rs. 850/, the interest of which is awarded as scholarship to the best student of Advaita Vedanta in the Sanskrit Department.

RANKA RAJ SCHOLARSHIPS.

By a letter dated 19th December, 1924. Raja Giribar Prasad Sahib of Ranka P. O. (Palamau) offered two Scholarships of Rs. 15/- each to be awarded to two students of the Palamau District or the Chhotanagpur Division prosecuting their studies at the Central Hindu College. The offer has been accepted by the Council under its resolution No. 2 of the meeting held on the 21st April 1925.

BIKANER DURBAR SCHOLARSHIP.

In terms of letter No. 321, dated the 2nd December, 1913, from the Home Member of Council, Bikaner State, and accepted by resolution No. 14 of a meeting of the Committee of Management of the Hindu University Society held on the 7th December 1913; a sum of Rs. 350/—per month or Rs. 4,200/- yearly has been earmarked, out of the annuity of Rs. 12,000/- granted by the Durbar to provide for three scholarships.

The conditions of the Scholarship are:—

(a) That the sum of Rs. 350/- per month will be kept in reserve to be spent at the discretion of the Durbar in paying for such scholarships, lodging and boarding fees, fees for tuition and other subscriptions for students from Bikaner, under directions which the Durbar may be pleased to issue from time to time.

(b) If any portion of this sum of Rs. 350/- per month remains unexpended in any month by the Durbar for these purposes, such sum shall lapse absolutely to the Benares Hindu University.

GANGA SHANKAR SOOKCHAND SCHOLARSHIP,

Babu Narain Das, Contractor, Benares, deposited Rs. 1,000/—to found a scholarship to be called Ganga Shankar Sookh Chand Scholarship. The Scholarship is to be awarded on the following conditions.

(a) Rs. 3/—p. m. should be given to the poorest student of the Vishnu Nagar Community from the commencement of the College session.

(b) In the absence of a Vishnu Nagar student the scholarship may be given to a student of any other sub-community of Nagars reading in the Central Hindu College.

(c) The donor should be informed of the name of the recipient of the scholarship.

RAI GOKUL CHAND BAHADUR SCHOLARSHIP AND MEDAL.

Kai Bahadur Babu Gokul Chand of Fyzabad deposited a sum of Rs. 2,000/—on condition that out of its interest a scholarship of Rs. 4/—p m. tenable for 2 years (unless the Principal directs otherwise) shall be awarded to a poor Khattri student primarily, and in the absence of such a deserving student to one of the Saraswat Brahman caste, the student being selected in either case by the Principal from amongst the students of the College Department in the first place and from that of the School in the second place. The balance shall be utilized in awarding book prizes to the most deserving Khattri and Sarasvata Brahman students. The amount of Rs. 2,000—was to be so invested as to yield an interest of Rs. 70 p. m. at least, and the Prizes and Scholar-

ships were to be called Rai Gokul Chand Bahadur Prize and Scholarships.

HARI KRISHNA SCHOLARSHIP.

Pandit Hari Krishna of Fyzabad deposited Rs. 10,000/— to found a scholarship of Rs. 30 a month from its interest. The scholarship as desired by his son Pandit Tej Krishna Ganjoor is given to poor deserving Kashmiri Pandit students but in their absence it may be awarded to any poor and deserving student who may be fond of study and in need of help.

KUNWAR DAKSHINISHWAR MALIA MEMORIAL SCHOLARSHIP.

Rani Bhav Sundari of Deru of Searsole, Rajbati, Rani-ganj, deposited Rs. 5,000 with a view to award a scholarship from the income of the endowment. The recipient of the scholarship is to be a poor deserving Brahman student who should stay in the Boarding House and carry on his studies up to the highest standard in the College. The donor is to be informed of the name of the recipient of the scholarship with other particulars.

PARBATIBAI JAIN SCHOLARSHIP.

Messrs Jiwanlal, Bhagwantlal, Mohanlal and Pannalal of Bombay offered by a letter dated the 18th of July 1920 a donation of Government Promissory Notes of the face value of Rs. 10,000 at $3\frac{1}{2}$ percent interest for scholarships to be awarded in memory of their mother Shrimati Parbatibai who had her birth at Benares. The following are the rules laid down by the Syndicate in regard to the above scholarships (vide Syndicate minutes dated 14th August 1922 and 7th October 1922).

1. There shall be two scholarships—the post graduate and the graduate scholarships—to be awarded annually and tenable for 12 months of the academic year.

2. The post graduate scholarship of Rs. 20 per month shall be awarded to a Jain student (preferably of the Murtipujak Svetamber Sect) joining the M.A. class in Philosophy or Samskrit and taking up the prescribed course in Jaina Philosophy for the examination.

3. The post graduate scholarship shall be tenable for two years, provided the student to whom it is awarded shows satisfactory progress in his studies; otherwise it shall be awarded to a fresh student of the V Year Class satisfying the above conditions.

4. When a post graduate student is not available the scholarship of Rs. 20/- may be split up into two scholarships of Rs. 10/- each and awarded to two undergraduate students for one year only provided they satisfy the other conditions of the scholarship.

5. The graduate scholarship of Rs. 15/- per month shall be awarded annually to a Jain student (of the qualifications stated above) of the IV Year Class who has taken up Philosophy or Samskrit as one of his subjects for the B.A. Examination.

RAI SAHEB CHANDI PRASAD SCHOLARSHIP

By a letter dated the 22nd February 1922 Rai Sahib Chandi Prasad, Retired Engineer of Roorki, endowed Rs. 6000 in $3\frac{1}{2}$ percent Government Promissory Notes for the award of a scholarship (and medal). The following are the rules laid down by the Syndicate for the award of the said scholarship (Vide minutes of the Syndicate dated 10th of August 1922, the 3rd of March 1923 and the 12th of October 1923).

(1) The scholarship shall be called the Rai Chandi Prasad Scholarship.

(2) It shall consist of Rs. 16/- per mensem and shall be awarded for 10 months in the year to a poor Khattri student or in the absence of a Khattri student to any other suitable Hindu student studying for Industrial Chemistry. If a poor Khattri student be not available in the Chemistry Department (Industrial section) the scholarship shall be awarded to a poor Khattri student of the Central Hindu College in Arts or Science.

(3) It shall be tenable for two years at a time but may be discontinued for want of satisfactory progress on the part of the holder.

KUMAR SINGH SCHOLARSHIP.

By a letter dated the 17th January 1923, Rai Manilal Nahar Bahadur (Manibhawan, 5, Indian Mirror Street, Calcutta) and by letter dated 1st February 1923 his brother Babu Puranchand Nahar, M.A. B.L., Vakil High Court, Calcutta communicated to the University the desire of their father, the late Rai Setab Chand Nahar Bahadur to make an endowment for Scholarships in memory of his son (brother of Babu Puranchand Nahar, the late Mr. Kumar Singh). 3½ percent Government Promissory notes have been endowed for the purpose and the endowment has been accepted by the Council of the University.

The following rules have been laid down by the Syndicate for the award of the Scholarship (Vide Syndicate resolution No. 9 of the meeting held on the 12th of September 1923)

1. The Scholarship shall be designated "The Kumar Singh Scholarship."

(ii) Out of the interest of the endowment, a Scholarship of Rs. 10 per mensem tenable for two

sessions of ten months each shall be awarded every year to the Jain student securing the highest number of marks at the Admission Examination of the Benares Hindu University and prosecuting his studies in the Intermediate classes of the University with Samskrit as one of the subjects of study.

N. B.—Samskrit for the Previous Examination in Samskrit shall not count for this purpose)

- (iii) In the event of such a student leaving the University or declining the Scholarship, the next best Jain student in the year or any other Hindu student securing the highest number of marks at the Admission Examination shall be eligible to the Scholarship, provided he takes up Samskrit in the Intermediate and satisfies the other conditions.
- (iv) A Scholarship-holder shall forfeit the scholarship if in the opinion of the Syndicate, his progress is not satisfactory.
- (v) The interest only of the endowment shall be spent by the University which will hold the principal in trust for the Scholarship.
- (vi) Any unspent balance of the interest of any year, will be absorbed in the general funds of the University.

RATANCHAND DALPATRAM SHAH SCHOLARSHIP.

The Ratanchand Dalpat Ram Shah scholarships given under "Scholarships for the Engineering College" will be given to the students of the Arts side under rule (iv) in the absence of suitable candidates for the degrees of Engineering, Agriculture and Medicine (Vide rules for the above scholarship given under the scholarships for the Engineering College.)

AGHA KHAN SCHOLARSHIP LIMBDI STATE ENDOWMENT.

By a letter dated Limbdi, the 29th August 1924 the Chief Karbari of the Limbdi State communicated the announcement by the Thakore Saheb of Limbdi of an endowment to the Benares Hindu University of 3 percent promissory notes of the face value of Rs. 5000 (which amount has since been received) for instituting a Scholarship of Rs. 15 in honour of H. H. the Agha Khan to be called the Agha Khan Scholarship Limbdi State endowment, the Scholarship to be held by an Aghakhani Khoja student preferably and failing any such student, by any Mohammadan student studying in the Hindu University in the Arts course and to be tenable for four years *i. e.* till the student takes his B.A. degree provided that the scholarship shall be stopped on failure to pass any of the Intermediate examinations, the offer has been accepted by the Council of the University under its Resolution No. 2 of the meeting held on the 6th September 1924.

LALA RATANCHAND SCHOLARSHIP.

Lala Ratanchand O. B. E. Honorary Magistrate of Amritsar has given a donation of Rs. 5000/- to the University for the award of a scholarship of Rs. 25/- per mensem from the interest thereof to a poor deserving Khattri student (Orthodox Hindu) for the full period of a University course. The following are the rules laid down by the Syndicate for the award of the scholarship:—

1. The scholarship will be of the value of Rs. 25/- per month tenable for ten months.
2. The scholarship shall be awarded to a poor and deserving Khattri student for the period of a full course provided the student's progress at the end of each year be found satisfactory.
3. The candidate should be an Orthodox Hindu.

4. The holder of the scholarship shall undertake to return the total amount of the scholarship received by him in easy instalments after entering life and shall furnish personal security for the purpose.
5. The holder of the scholarship shall also promise to help the needy to the best of his abilities.
6. At the beginning of each year the Registrar shall also invite the recommendation of the All India Khattri Sabha of Lahore regarding the scholarship but it must be distinctly understood that the final award of the scholarship shall rest with the Syndicate.

**(2) Scholarships for the Teachers'
Training College.**

L. T. STIPENDS.

Twenty stipends of the value of Rs. 30 per mensem each are awarded to deserving students of the L. T. class of the Teachers' Training College of the Benares Hindu University for 10 months in the session.

The following rules for awarding these stipends have been passed by the Council (Min. III A pp. 80 and 115).

1. Stipends will be awarded by the Syndicate to deserving students of the Teachers' Training College.

2. The stipends will be tenable for ten months.

3. If a stipend holder leaves the College before the end of the session, he shall have to refund the amount received by him except in cases in which it is due to ill health or to any other cause which the Principal considers sufficient.

4. No stipendiary student shall be allowed to study for any examination other than the L. T. Examination nor shall he be allowed without the permission of the Principal to

engage in private tuition or to accept any other work during his stay at the College.

5. All College and Hostel fees will be deducted from the stipends of stipendiary students. Fines, if any are imposed, will be deducted in the same way.

6. Stipendiary students absent from the College without leave will forfeit double the amount of their stipends for such period of absence.

Note—Overstaying leave or holidays will be held to be absence within the meaning of this rule.

7. In the granting of stipends preference will as a rule be given to graduates of the Benares Hindu University and previous teaching experience will not be regarded as the main ground for preference being given in the award of stipends.

(3) Scholarships for the Engineering College.

SCHOLARSHIPS OF MERIT.

Ten scholarships of merit are awarded by the University at the rate of Rs. 15 per mensem to students reading for the degree of B. Sc. in Engineering.

BIRLA SCHOLARSHIPS.

Through the generosity of Raja Baldeo Das Birla and Seth Jugal Kishore Birla 10 scholarships are awarded to the students preparing for the degree examination in the College of Engineering including those of Mining and Metallurgy (2 to be given to the Brahman students and 8 to non-Brahmans). The rules for the award of these scholarships are the same as those given under these scholarships for the Central Hindu College.

BHOLANATH BAROOAH SCHOLARSHIP.

Mr. Bholanath Barooah of the firm of Messrs B. Barooah & Co., 5, Royal Exchange Place, Calcutta has offered an endowment for (a gold medal and) two scholarships. The following are the rules laid down by the Syndicate for the award of the scholarship (Vide Syndicate minutes dated the 14th of August, 1922.)

1. There shall be two scholarships of Rs. 25 each and they shall be called the Bholanath Barooah scholarships.

2. The scholarships shall be awarded every year to the two Assamese students (i.e. Assamese by birth and nationality) who stand highest from among those who appeared at the I.Sc. Examination from the Cotton College, Gauhati with Mathematics, Physics and Chemistry as their subjects at the Examination and who joined this University for the degree of Bachelor of Science in Mechanical, Electrical or Mining Engineering after passing the said examination.

3. In the absence of such students the scholarships shall be awarded to the best Assamese student or students who will join the Engineering College of the University and take up the degree or diploma course for the purpose of studying Mechanical, Electrical or Mining Engineering.

4. The scholarships shall be tenable for the full period of 4 years provided that the holders thereof have been reported to have shown satisfactory progress in their studies (both Practical and Theoretical).

5. The student shall forfeit his scholarship if he fails to give evidence of satisfactory progress in his studies and the scholarship in that case may be awarded to another Assamese student of the Engineering College who is recommended for the purpose by the Principal.

AKHAURI BABU PREM NARAYAN SCHOLARSHIP.

Akhauri Babu Prem Narayan, Zamindar, Narayan Villa Post Office Buniadgunj, District Gaya, in terms of the correspondence ending with his letter dated 15th May, 1915 and accepted by resolution No. 12 of a meeting of the Committee of Management of the Hindu University Society held on the 26th October, 1915, endowed Rs. 10,000—(Rupees ten thousand) to the Benares Hindu University, which sum is at present invested by him in landed property yielding an annual rent or Rs. 600—(Rupees six hundred) per annum.

The conditions of the endowment are as follows:—

- (a) That a separate account should be kept of this money.
- (b) That the principal should on no account be spent.
- (c) That Technical or Industrial education be given to a candidate who has passed the Admission Examination successfully from the income of the fund.
- (d) That the recipient of the scholarship must execute an agreement to pay double the amount he receives within a specified time after passing the final examination of the Technological or Industrial department of the Benares Hindu University.
- (e) That the sum realized from the scholarship-holder as specified in clause (d) together with the income of the endowment be similarly spent in awarding scholarship to other student or students on the same condition.
- (f) That the amount and other terms of the scholarship or scholarships awarded shall be settled from time to time by the Council.

N.B.—The Council of the University has decided (vide p. 699 of Minutes Vol. IV A) that there shall be two scholarships each of Rs. 25 per mensem to be awarded under the following conditions:—

- (1) That each scholarship shall be tenable by a student of the Engineering College who has passed the Admission Examination of the Benares Hindu University or a higher examination of the same University.
- (2) That as a rule, each scholarship will be tenable for one year; but may be re-awarded annually to the same scholar.
- (3) Every scholar will forfeit his scholarship who, not being disabled by illness or prevented by any other cause which the Principal may consider sufficient, fails to make satisfactory progress in his studies.
- (4) Every scholar must execute an agreement that he will pay, within a period of ten years from the date of his receiving the B.Sc. degree in Engineering, double the amount received by him as Akhoury Babu Prem Narayan scholar.

RATANCHAND DALPAT RAM SHAH SCHOLARSHIPS.

By a letter dated the 25th August, 1921 Mr. Amaratlal Ratanchand a share broker doing business in the old Stock Exchange, Bombay endowed to the University securities yielding an annual income of Rs. 720 only for scholarships to be awarded under certain conditions in memory of his father Mr. Ratanchand Dalpat Ram Shah. The following are the revised rules laid down by the Syndicate on the 9th of November, 1922 for the award of these scholarships.

- (i) The two scholarships shall be called the "Ratanchand Dalpatram Shah Scholarships."
- (ii) They shall be of the monthly value of Rs. 30 each and shall be awarded for twelve months in the year to Jain Swetamber Murtipujak students, and in their absence to Digambar Jain students or to

other Hindu students who may be otherwise competent.

- (iii) One of the scholarships shall be held by such a student preparing for the Degree in Engineering and the other by such a student preparing for a Degree in Agriculture or in Medicine when they may be established in the University, pending which, it may be awarded to a student of the Faculty of Arts.
- (iv) In the absence of suitable candidates for the Degrees of Engineering, Agriculture and Medicine, they may be awarded to students in the Faculty of Arts, preference being given to those who have Samskrit as one of their subjects of study. (The Previous Examination in Samskrit shall not count for the purpose.)
- (v) Each of these scholarships shall be tenable for the full period of a University course, but a student shall forfeit a scholarship in the event of his progress being unsatisfactory.
- (vi) Once a scholarship is awarded to a non-swetambar Jain student, he shall not forfeit it till the end of his University course even if a Swetambar Jain student becomes available after the award unless his progress is unsatisfactory.
- (vii) Before the commencement of each academic year, the Registrar shall notify the scholarships in at least one English and one Gujrati daily newspaper in the Bombay Presidency.

(4) Scholarships For the Colleges of Oriental Learning and Theology.

SCHOLARSHIPS AWARDED BY THE UNIVERSITY.

37 scholarships at the rate of Rs. 8 per mensem for

Madhyama students, 20 scholarships at the rate of Rs. 10 per mensem for students of the Shastri Class and 6 scholarships at the rate of Rs. 25 per mensem are awarded to the students of the Acharya classes.

BIRLA SCHOLARSHIPS.

Through the generosity of Raja Baldeo Das Birla and Seth Jugal Kishore Birla 13 scholarships known as Birla Scholarships are awarded to the students of the Colleges of Oriental Learning and Theology.

The rules for the award of these scholarships are the same as those given under these scholarships for the Central Hindu College.

MAHANT SATISH CHANDRA GIRI OF TARAKESHWAR
ENDOWMENT FOR BURSARIES AND SCHOLARSHIPS.

By a deed of endowment dated the 2nd July, 1916, and registered on the 5th July, 1916, Mahant Satish Chandra Giri of Tarakeswar gave a donation of rupees one lakh invested in landed properties. The Mahant holds these properties, and pays Rs. 3,500 a year on account of profits thereof in two instalments of Rs. 1,750 each, payable in the month of *Baisakh* and *Kunwar* each year,

The conditions of the endowment are as follows:—

- (1) That three Bursaries each of Rs. 500—shall be awarded every year to the student who stands first in the examination for the degrees of Shastracharya, Smritisagara and Dharmcharya for each degree, provided that the student who stands first in the examination for each of the said degrees is a Brahmin or a Sanyasi of one of the ten denominations in to which the Sanyasis are divided by Sri Sankaracharya.

- (2) That if the student who stands first in the said examination be not a Brahmin or a Sanyasi of one of the said orders, the said Bursary shall be awarded to the next candidate in order, who may be a Brahmin or a Sanyasi of the said orders.
- (3) In case no successful candidate for any of the said three degrees be a Brahmin or a Sanyasi, the amount of the Bursary unexpended shall be deemed to be a part of the endowment fund and shall be added to it.
- (4) That as many scholarships of Rs. 5—per month (as can be provided out of the remaining sum of Rs. 2,000—(two thousand) a year shall be awarded to students who have passed the Madhyama Pariksha of the Faculty of Theology or of the Faculty of Oriental Learning or any other examination which may be deemed equivalent to it, provided that the person holding the scholarship pursues his studies with diligence for the next higher examination in the Faculty of Theology or of Oriental Learning of the Benares Hindu University with English as one of the subjects of examination. Provided further that the recipients of the scholarship shall be either Brahmins or Sanyasis of one of the ten orders instituted by Sri Sankaracharya.
- (5) The said Bursaries and Scholarships shall be awarded by the Council of the Benares Hindu University in such manner as it may think fit and proper.

PANDIT THAKUR DATTA SHARMA VAIDYA SCHOLARSHIP.

Pandit Thakur Datta Sharma Vaidya of Lahore endowed a sum of Rs. 2400/- (invested in G. P. Notes for Rs. 4500/-)

for a scholarship. The endowment was accepted by the Council on the 15th of October 1922 and the following rules have been framed by the Syndicate for the award of the scholarship.

1. The scholarship shall be called "Pandit Thakur Datta Sharma Vaidya Ayurvedic Scholarship" and it shall be of the value of Rs. 12 per month.

2. The scholarship shall be awarded to the students of the Shastri Ayurveda class-first-year who obtained the highest number of marks in the Ayurveda group at the Madhyama examination of the University.

3. The student to whom the award was made shall continue to hold it in the next two higher classes, provided he shows satisfactory progress in his studies as certified by the Senior Professor of Ayurveda of the College of Oriental Learning.

4. The scholarship, when it falls vacant, shall be awarded always in accordance with Rule 2.

5. The scholarship shall be tenable for ten months from July to April.

6. The student holding the scholarship shall have to live in the hostel attached to the Oriental College.

SETH POKHARDAS SCHOLARSHIP.

By their letters dated the 30th of October and 11th of November 1922 Messrs Balkrishna Radhakrishna of Multan offered Rs. 1000 and further promised a subscription of Rs. 5 permensem for a scholarship (until they remit a further donation of Rs. 1000 to be added to the endowment fund.) The offer was accepted by the Council of the University on the 28th November 1922 and by the Syndicate on the 25th of January 1923. Out of the interest of the sum together with the subscription of Rs. 5 permensem a scholarship of Rs. 10 permensem will be awarded to a poor deserving student of the College of Oriental Learning whom the Pro-

Vice-Chancellor in consultation with the Principal of the College of Oriental Learning may from time to time recommend.

(5) Scholarships for the Central Hindu School.

GIRJA NATH SHIVAPANYANA SCHOLARSHIP.

Mr. Girja Nath Shivapanyana deposited Rs. 1,200 to found a scholarship. The interest, amounting to Rs. 3-8-0 a month is to be awarded to a Brahmachari for performance of Nitya Karma.

PANDIT BISHAMBHAR NATH DUBE SCHOLARSHIP.

Pandit Bishambhar Nath Dube deposited Rs. 400 to found a scholarship. The interest of the amount deposited is to be utilized in awarding a scholarship at the discretion of the authorities of the institution.

PANDIT MANOHARLAL KICHLOO SCHOLARSHIP.

This scholarship was created by Pandit Manoharlal Kichloo of Amritsar, who deposited Rs. 1,700 as an endowment.

RAM CHANDRA SHYAM SUNDAR SCHOLARSHIP.

Pandit Parmeshwari Das, Pleader, Bara Banki, deposited Rs. 920 for a scholarship to be called Ram Chandra Shyam Sundar Scholarship.

SHIVA DAYAL SCHOLARSHIP.

A gentleman, who does not want that his name be published, deposited Rs. 1,000 to found this scholarship.

with the object that the interest of this endowment might be utilized in awarding a scholarship to a poor student who may be really in need of some such help provided he takes Samskrit as his second language.

(6) Scholarships for the Ranavira Samskrit Pathshala.

SCHOLARSHIPS AWARDED BY THE UNIVERSITY.

60 Scholarships at the rate of Rs. 4 per mensem for ordinary students of the Praveshika classes and 8 scholarships at the rate of Rs. 3 for students taking Veda in Praveshika classes are awarded by the University.

RATANSEY SCHOLARSHIP.

Mr. Ratansey Karamsey Banatwala deposited Rs. 5,000 to encourage the advancement of Vedant, out of this sum a scholarship of Rs. 4-8-0 per month is awarded to a student and Rs. 10 is paid every month as part of the salary of the teacher of Vedant.

KESHAV DEV BHARGAVA SCHOLARSHIP.

Babu Keshav Deo Bhargava deposited Rs. 38-4-0 to award a scholarship to a Brahmin student in the Ranavira Samskrit Pathshala.

(7) Scholarships for the Hindu Girls' School.

VILASINI BAI GURJER SCHOLARSHIP.

A sum of Rs. 1500 has been offered by Mr. Ganesh Rao L. Gurjer of Balur Post Kadur District to found a Scholarship in memory of his daughter. The sum has been invested in 6 percent Government Promissory Notes. The conditions

of the Scholarship as accepted by the Council on the 7th of April 1922 are that the Scholarship is to be awarded to a poor Karada Brahmin girl of the age of 4 to 10 years in any of the institutions of the University (and if a poor Karada Brahmin girl is not available to any poor Brahmin girl who is successful in the examinations) and the donor or his successor is to be informed every year about the details of of the amount spent along with the name of the girl to whom the Scholarship is given and also her progress.

(8) Scholarship for Study in a Foreign Country.

SHANKER LAKSHMI SCHOLARSHIP.

With his letter, dated the 22nd of June, 1922, Mr. N.C. Mehta, I.C.S., District Officer, Etah, forwarded a letter of the same date from Lala Shanker Sahai, Vakil and Honorary Magistrate of Aliganj, announcing a donation of Rs. 3,000 to the University for the award of certain scholarships. The following conditions of the Scholarship were accepted by the Council on the 16th of September 1922.

- (i) The Scholarship shall be called the Shanker Lakshmi Scholarship.
- (ii) The Scholarship shall be open to students of the Kayastha Community who have either taken a degree of the Benares Hindu University or have pursued a course of studies or research for at least one year, in the Post Graduate Department of the University.
- (iii) It shall be tenable in a foreign University outside India, for the purpose of Scientific, Technical or Commercial education.
- (iv) The Scholarship shall be awarded for a period of three years in the first instance but may be extended to another year, for special reasons.
- (v) The holder of the scholarship shall furnish every year evidence of satisfactory progress at the Uni-

versity where he is prosecuting his studies and shall be liable to forfeit the scholarship in the absence of such testimony.

- (vi) The scholarship shall be advertised whenever it may fall vacant and an opportunity also given to the donor or his heirs to recommend suitable candidates for the consideration of the Syndicate.
- (vii) Every holder of the scholarship will be insured to the extent of the money to be advanced from the fund. The premium on such insurance will be paid from the fund so long as the candidate is studying and the insurance policy will be assigned to the trustees of the fund. The candidate receiving the scholarship shall himself pay back the past premium in easy instalments, soon after he begins to earn a salary of at least Rs. 200/-per mensem.
- (viii) The student shall have the option of paying back the entire amount received from the fund within 5 years of his returning from abroad, in lieu of the insurance policy being reassigned to him.
- (ix) Every applicant for the scholarship shall produce a medical certificate of physical fitness for proceeding to a foreign country for higher education and no payment of scholarship shall actually be made till the selected person's life is accepted for insurance by a company selected by the University and the insurance is effected.
- (x) All amounts returned by holders of scholarships on accruing from the maturing of policies assigned to the University shall be added to the fund, and the University shall have power to increase the amount of the scholarship or make any other changes from time to time in the value and number of scholarships.
- (xi) The value of the scholarship at present will be the annual interest on the endowment, deducting the amount of the premium to be paid in the year.

B. MEDALS.**(1) Medals for the Central Hindu College.****MALAVIYA GOLD MEDAL.**

1. A medal called the Malaviya Gold Medal of the value of the current rate of interest on rupees one thousand per year shall be awarded annually to the successful B. Sc. candidate of this University who stands first in Botany obtaining at least second class marks in the subject provided he joins the M. Sc. class in Botany.

2. If, for want of deserving candidates no medal be awarded in a particular year or years, the Syndicate will have the option to (i) increase the value of the medal or (ii) to divide the total value of the accumulated interest over a number of medals of equal or unequal value to be awarded in subsequent year or years.

The endowment has been offered by Dr. Birbal Sahni, M. A., D. Sc. of the Lucknow University, formerly University Professor of Botany at the Benares Hindu University and the medal has been named after Pandit Madan Mohan Malaviya, the founder and Vice-Chancellor of the University.

RAJA UDIT NARAIN RAI MEDAL.

See under Scholarships for the Central Hindu College.

RAI BAHADUR MATA PRASAD MEDAL (AND PRIZE.)

Babu Mahendra Prasad deposited Rs. 50 for the above medal (and prize) from the interest of which the medal (and the prize) are awarded to the student who obtains highest marks either in the B. A., or the B. Sc., Examination. The name of the recipient of the medal (and prize) is to be communicated to Babu Mahendra Prasad or to his representative.

RAI SAHEB CHANDI PRASAD GOLD MEDAL.

By a letter dated the 22nd February 1922, Rai Saheb Chandi Prasad, Retired Engineer of Roorki, endowed Rs. 6000 in $3\frac{1}{2}$ per cent Government Promissory notes for the award of (a scholarship and) medal. The following are the rules laid down by the Syndicate for the award of the medal.

- (i) The Gold medal shall be called the Rai Chandi Prasad Gold medal.
- (ii) It shall be of the value of Rs. 50 and shall be awarded annually to the Hindu student who stands highest at the Bachelor of Arts Examination provided he has passed at least in Second Division.

DR. BASUDEO SAHAI MEDALS.

Munshi Radha Mal deposited Rs. 15,00 for the above medals. One gold medal worth Rs. 40 and another silver medal worth Rs. 10 is to be awarded every year from the interest of the endowed fund. The gold medal is to be awarded to a student who passes the B. Sc. Examination and the silver medal to the student who passes the Intermediate Examination in Science.

The conditions are:—

- (1) The medals are to be awarded (a) to a deserving student of the Bisa Agarwal Community, or (b) to any deserving student among Vaish students in the absence of a Bisa Agarwal student, or (c) to any other deserving student in the absence of a Bisa Agarwal and a Vaish student.
- (2) But preference is to be always given to a Bisa Agarwal student even if he has passed in the 3rd division.

THE THAKUR RANDHIR SINGH MEDAL.

By a letter dated 14th March 1924, Thakur Randhir Singh son of Babu Shamshere Bahadur Singh, of village Narayanpur, Tahsil Bansdih, District Balia, offered a sum of Rs. 601 only, to be invested in such a manner as to secure an interest of Rs. 30 every year with which a silver medal and a copy of Tilak's *Gita Rahasya* may be awarded to a lady student on certain conditions, at the time of the annual convocation every year, the name of the student getting the medal to be communicated to the donor or his successors every year. The following are the rules laid down by the Syndicate for the award of the medal.

- (a) The medal shall be called the Thakur Randhir Singh Padak and be of the value of Rs. 30
- (b) It shall be awarded annually to the student standing first among the lady candidates in Samskrit at the B. A. Examination and in the absence of such a candidate to a similar candidate at the M. A., failing which, to a similar candidate at the Intermediate.
- (c) In the absence of any such candidate, it shall be awarded to a lady student of the University studying Samskrit (the Previous Examination in Samskrit shall not count for the purpose) on the recommendation of the Head of the Department of Samskrit studies.

THE MANORAMA MEDAL.

Rai Saheb M. Shankar Lal Kapoor, retired Extra Assistant Commissioner, Ajmere has endowed Rs. 1,500 out of the interest of which a gold medal will be awarded annually in memory of his daughter, to the student who secures the highest percentage of marks among the lady candidates at the B. A. & B. Sc. examinations of the University. The following

are the rules laid down by the Syndicate for the award of the medal.

(1) The medal shall be called the Manorama Medal.

(2) It shall be awarded annually to the student who secures the highest percentage of marks among the lady candidates of the B. A. & B. Sc. Examinations.

WAGLE MEMORIAL MEDAL.

By a letter dated Calcutta the 1st October, 1924 Mr. J. G. Bhandari, Deputy Accountant General, 87, Lansdowne Road, Calcutta, Secretary of the Wagle Memorial Fund, endowed a sum of Rs. 2630-13-6 to be invested in 5 % G. P. notes of 1845-55 for the purpose of awarding a gold medal to be named the Wagle Memorial Medal in memory of the late Mr. K. B. Wagle, Accountant General, United Provinces to the best M. A. of the year in Political Economy and a prize of books to the same student. The offer was accepted by the Council of the Benares Hindu University under its Resolution No. 1 of the meeting held on the 11th November, 1924.

(2) Medals for the Engineering College.

BHOLANATH BAROOAH MEDAL.

Mr. Bholanath Barooah of the firm of Messrs B. Barooah & Co. 5, Royal Exchange Place, Calcutta has offered an endowment for a gold medal. The following are the rules laid down by the Syndicate for the award of the medal (Vide Syndicate minutes dated the 14th August, 1922).

1. The Medal shall be called "the Prince of Wales Gold Medal"

2. The Medal shall be of the value of not less than Rs. 100/-.

3. The medal shall be awarded every year to the student who stands first in the Examination for the Degree of B. Sc. in Mechanical Engineering in this University. The name of the recipient is to be announced every year by the Registrar immediately after the results of the Final Examination in Mechanical Engineering are published.

(3) Medals for the Central Hindu School.

GOPAL KRISHNA COMMEMORATION MEDAL.

Babu Sri Ram, M. A., Munsiff, Delhi, deposited a sum of Rs. 300/—to award annually a medal to be called the Gopal Krishna Commemoration Medal, from the interest on the amount, to the most useful and popular student in the institution.

(4) Medals for the Girls' School.

SHRIMATI CHHANNI SAKSENA MEDALS.

Munshi Ram Dayal Sahib, Military Auditor, Bhopal, with a view to establish scholarships and medals in the name of his deceased daughter, has placed a sum of Rs. 500/- in G. P. notes at the disposal of the University. The following medals and prizes are offered out of the interest accruing on the said amount:—

(1) Two silver medals, one to be given to a Hindu girl who passes the Admission Examination of the Benares Hindu University with the highest number of marks and the other to a girl student of the Central Hindu College Girls' School, Benares who stands first in the annual examination of Class VIII.

(2) Two prizes, one to be awarded to girl passing a and getting the highest number of marks in the yearly examination of Class VII, and the other to a girl who stands first in the annual examination of Class V of the said Girls' School.

The inscriptions upon the medal are to be as suggested in the letter of Mr. Jai Dayal, Assistant Judicial Secretary, Bhopal Darbar dated the 23rd October 1921) and Munshi Ram Dayal Sahib or his son Mr. Jai Dayal is to be informed about the names of girls receiving the prizes and medals. The recipients of the medals and prizes are always to be Hindu girls (Vide resolution No. 3 of the Council dated the 1st of January 1922 and Mr. Jai Dayal's letters dated 22nd November 1921 and 7th February 1922).

(C) PRIZES

(1) Prizes for General Competition.

SHANKAR VEDANT PRIZE OF SWAMI MADHUSUDANANANDA
SARASVATI OF MATAR, GUJRAT.

Mr. Devshankar Motiram, Medical Officer in-Charge, Sihore Dispensary, as trustee of the Swami Madhusudan-ananda Sarasvati of Matar gave the University a sum of Rs. 2,050- to be invested in Government Promissory Notes, the interest to be awarded to the person who presents the best thesis or essay on some point of the Shankar Keval Advaita or translates some work on the said subject under the conditions mentioned below :—

1. Every third year, a prize entitled "The Shankar Vedant Prize of Swami Shri Madhusudanand Sarasvati of Matar" of Rs. 150/- shall be awarded for—

(1) the best essay or thesis on some branch of Shankar Kewal Advait, the subject for which shall be selected by the Senate or,

(2) the best translation of some work on the same subject.

2. The essay, thesis or the translation shall be in Hindi or Gujrati.

3. The Prize shall be open to competition to (1) all graduates of the Benares Hindu University of not more than five years' standing, (2) all graduates of not more than 5 (five) years' standing who have taken the degree of Dharmacharya, Dharmashastry, Smritishastri or Smritisagra of the said University.

4. The subject of the thesis or essay shall be selected by the University every year. The essay or thesis, or the translation must be of a quality and standard approved by the University.

5. The prize shall be awarded in alternate years for—

(1) the essay or thesis, and

(2) the translation.

6. Not less than 100 copies of the essay or thesis and the translation shall be printed, which shall be distributed as follows:—

(1) A copy shall be sent to each of the trustees of the fund and a copy shall be sent to each of the following libraries established by Swamiji:—

Matar, Ahmedabad, Kheda, Sojitra, Deva, Waso and Sarsa.

Of the remaining copies, two shall be left in the University Library, and the remainder distributed among such other libraries in India as the University may from time to time determine.

7. The amount left after defraying the printing charges shall be awarded each year in cash or in the shape of books as the University may from time to time determine.

8. If the amount left after defraying such printing charges be too small to attract suitable competitors the prizes for the essay and thesis, or the translation may be given after two years in alternation with power to utilize the third year's income from interest for printing them.

9. If no suitable candidate be forthcoming in any year under the said conditions, the prize may be awarded to the student who obtains the highest number of marks in the examination for the degree of B.A. (Sanskrit), M.A. (Sanskrit), Dharmashastry, Dharmacharya, Smriti Ratna and Smritisagar, the prize being given to holders of each of these degrees in successive years.

The sum of Rs. 2,050/—was invested in the purchase of G.P. Notes of the 3½% Loan of 1865 of the face value of Rs. 2,500/—

CHANDULAL CHOTALAL MEHTA PRIZE.

Mr. N. C. Mehta. I. C. S. deposited a sum of Rs. 5000 with the University on behalf of his aunt Smriti Champa Gauri Mehta for an annual prize called after her husband's name Chandulal Chotalal Mehta Prize—to be awarded to graduate members of the University of not more than 7 years' standing for a dissertation on some disputed question of Indian Economics, the object of the prize being the promotion of economic research. The prize shall be awarded in accordance with the following rules (passed by the Senate at its meeting held on the 17th September 1921.)

1. A Prize to be called "Chandulal Chotalal Mehta Prize" consisting of the interest on Rs. 5000/- or of books of the like value to be selected by the winner, shall be awarded annually for the best essay on some disputed question of Indian Economics, or embodying the result of some research in the field of Indian Economics.

2. Competitors shall be graduates of the Benares Hindu University, of not more than seven years' standing from the date of their graduation on the day prescribed for the sending in of the Essay.

3. The subject shall be selected by the Board of Studies in Economics and notified by the Syndicate not less than two years before the day for sending in the Essay,

4. The Essays shall be sent to the University Registrar on or before the fourth Monday in July. Each Essay shall be designated by a motto instead of the writer's name, and shall be accompanied by a sealed cover inscribed with the motto containing the name of the competitor, his University standing, his post office address, and a declaration that the Essay sent in by him is *bona fide* his own composition

5. The Judges shall be three in number and shall be nominated by the Board of Studies in Economics. Their decision shall be announced on the fourth Monday in September.

6. The prize shall not be awarded to an Essay which, in the opinion of the Judges, does not show research or originality of treatment.

7. The Essay will be the property of the University which may print and publish it, but the writer of the Essay to which the prize is awarded must obtain the permission of the Syndicate to the printing of it as a University Prize Essay, if he wishes to get it printed himself.

8. On the occasions when the Prize is not awarded the money shall be applied by the Syndicate in such manner as they shall think best fitted for furthering the object of the endowment,

9. The Senaté shall have the power, whenever it may think fit, to modify or alter the terms upon which the Prize may be awarded or otherwise to deal with the income of the

Fund, provided the object for which the Prize has been founded is kept in view.

NARSING PRASAD HARI PRASAD BUCH METAPHYSICS PRIZE.

Mr. Ram Prasad Narsingh Prasad Buch deposited a sum of Rs. 6,000 for a prize of the value of Rs. 200 to be awarded annually to an Indian for the best essay on a philosophical subject, to be selected by the authorities of the Central Hindu College.

(2) Prizes For the Central Hindu College.

BESANT'S BHAGWADGITA PRIZE.

Mr. Vaidyanath Ayengar of Tellichery deposited a sum of Rs. 100/—to found the Besant Bhagwadgita Recitation Prize on condition that only the interest on the invested sum of Rs. 100/—be spent in awarding an annual prize to the student who stood first in the highest class of the Central Hindu College, the form of the prize being left to the prize winner himself.

RAI BAHADUR MATA PRASAD PRIZE.

(See under Medals).

MUNSHI BEHARI LAL PRIZE.

The amount of Rs. 650 was deposited by the C. H. College authorities as the price of land presented by Rai Bahadur Munshi Raghunandan Prasad, to form an endowment for prizes. From its interest a prize or prizes are given to the student or students who show highest proficiency in Sanskrit in the Intermediate and B.A. Examinations every year.

HARISUKH PRIZE.

Mr. P. H. Mehta deposited Rs. 200 from the interest of

which a prize is awarded during the year to the student who stands first in Mathematics in the Intermediate Examination.

GUNDARIA PRIZE.

Mr. Nana Lal Chunni Lal Gundaia remitted Rs. 500 to award a prize from the interest to a student who writes the best essay on a religious subject, the subject to be selected by the College authorities.

PANDIT DEBI PRASAD AGNIHOTRI MEMORIAL PRIZE.

Pandit Sheo Charan Agnihotri deposited Rs. 1,000 for the prize.

MRS. ANNIE BESANT PRIZE

Babu Upendra Nath Basu deposited a sum of Rs. 500 to found a prize to bear the name of Mrs. Annie Besant.

BHAWANI SHANKAR PRIZE.

Sir Subramaniya Iyer deposited Rs. 900 to award an annual prize of Rs. 30 to the boy who was most helpful to others during the year.

PURSHOTAM RAI SUNDARJI ZALA PRIZE.

Mr. Labhshankar Laxmidas has deposited Rs. 50/—for the above prize on condition that from the interest of the amount a copy of Mrs. Annie Besant's "Life and Life After Death" and a copy of Mr. C.W. Leadbeater's "Invisible Helpers" be purchased and given to the student who stands first in Samskrit in the Entrance Examination.

PANDIT VISWANATH SHASTRI LOTE PRIZE.

Pandit Ram Chandra Naik Kalia of Benares deposited Rs. 1,000 for the prize, from the interest of which the prize is to be given to that Samskrit student of the Matriculation Class of the Central Hindu School who stands first in the Annual University Examination.

NATHU BHAI KRIPA RAM PRIZE.

Mr. Labh Shankar Laxmidas deposited Rs. 30/—for Nathu Bhai Kripa Ram Prize on condition that from the interest on the sum, a copy of Mrs. Annie Besant's cloth bound book on "Death and After" should be given as a prize annually to the boy who stands first in the Entrance Examination.

(3) Prizes for the Central Hindu School.

PARVATI PRIZE.

Mr. Man Shanker Laxmi Shanker Vohra of Bhavnagar deposited Rs. 50/— for this prize, on condition that from the interest of this amount a book or books to be purchased every year be awarded to any deserving student, standing first in the Middle (VIII Class) Examination. The name of the student should be published in the annual report and a copy of it be sent to the donor for information.

N. SUNKUNNI WARRIER PRIZE.

Mr. N. Sunkunni Warriar of Trichur, South India, deposited Rs. 100/—to award from its annual interest a prize to the boy who stands first in English in the Middle School (VIII Class) Examination. The prize be called the N.S. Warriar Prize.

JUGAL KISHORE DHARMAPATNI PRIZE

Babu Mahadeo Ram of Gonda remitted Rs. 100/- with the request that this sum be invested in some permanent fund and the interest recalled from the investment be utilized in awarding an annual prize to the best student in Sanskrit who passes the examination provided that he has not got any other prize. In the latter case the next boy should be given this reward. The prize is called Jugal Kishore Dharma Patni Prize.

KAMINI MEMORIAL PRIZE.

Babu Bhupendranath Chaudhuri deposited Rs. 100 so as to award a prize for religious examination. Two prizes, one of the value of Re. 1-8-0 and the other of Rs. 2 have been established from the interest of the endowed fund.

HUKUMAT ROY PRIZE.

Babu Hukumat Roy deposited a sum of Rs. 100—as an endowment for an annual prize in the Religious Examination, to be awarded at the discretion of the authorities.

ANNADA PRASAD MAZUMDAR MEMORIAL PRIZE.

Babu Bhupendra Nath Chaudhuri deposited Rs. 100 to found a religious examination prize. A prize of Rs. 3-8-0 has been established from the income of the endowed fund.

MOTIL BAI PRIZE.

Mr. J. N. Gulab Rai deposited Rs. 250 the interest from which is utilised in giving the prize.

NANDGIRI KRISHNA PRIZE.

Mr. Nandgiri Laxman Rao deposited Rs. 500 from the interest from which this prize is to be awarded to a poor deserving boy in the School.

NARAINDAS KALIANDAS MOTIWALA PRIZE.

Mr. Jannadas Naraindas Motiwala deposited Rs. 200 for a prize to be named after his father. The interest of the amount, i. e. Rs. 7 shall be given as a prize annually to the boy in the School Department who writes the best essay on a subject set out of the Text Book of Hindu Religion taught in that department.

SADASHIVA PRIZE.

Mr. M. Babu Rao of Karkul, South Canara, deposited Rs. 100 to found a prize of Rs. 3-8-0 per annum to be given to a Hindu student for good conduct, piety and filial duty.

THIRLWAL PRIZE

Mrs. Annie Besant deposited a sum of Rs. 300/—to found the Thirlwal Prize for religious knowledge in the school.

(4) Prizes for the Ranavira Samskrit Pathshala.

NATIVE OFFICIAL CHARITY ASSOCIATION PORT BLAIR PRIZE.

C. Arrunthoo Esq. deposited Rs. 100 from the interest of which a prize is awarded to a student of the Ranavira Samskrit Pathshala.

(5) Prizes for the Central Hindu Girls' School.

SHRIMATI CHHANI SAKSENA PRIZE.

(See under Medals).

VII.

Syllabus and Text=books.

1922.

Admission Examination.

(English.)

There will be two papers, each of three hours' duration and each carrying 100 marks. The *first* will be on the text-books of Poetry and prose prescribed by the University, with questions on English usage and idiom bearing on them. The *second* will consist of easy exercises in paraphrase and composition, and of exercises in composition based on the subject matter of books prescribed for general or "non-detailed" study.

N. B.—Alternative questions will be set, at least to the extent of half the number of questions in each paper.

1. Poetry:—

The following Sections from Anthology of Verse for Indian Schools, edited by Thomson (Macmillan & Co., Ltd.)

Narrative Poems:

Patriotic Poems.

SCHOLAR—Southey.

ABOU BEN ADHEM—Leigh Hunt.

CASUARINA TREE—Toru Dutt.

DAY IS DONE—Longfellow.

SONG—Christina Rossetti.

FAREWELL—Tennyson.

ARIEL SONG—Shakespeare.

2. *Prose*.—

KINGSLEY: *Heroes* (Blackie and Son's edition).

SWIFT: *Gulliver's Travels* abridged and edited by G. C. Earle, (Macmillan's English Literature for Schools.)

3. *Non-detailed study*.—

SISTER NIVEDITA: *Cradle Tales of Hinduism* (Longmans).

LAMB: *Tales from Shakespeare*.

Mathematics.

There will be two papers in Mathematics, each of three hours' duration and each carrying 100 marks, *one* paper in Arithmetic and Algebra, and a *second* paper in Geometry.

The courses shall be as follows :—

- (1) *Arithmetic*.—The whole of Arithmetic. (The use of Algebraical symbols and processes will be permitted).
- (2) *Algebra*.—The four simple rules, Fractions, Greatest Common Measure, Least Common Multiple, Factors, Remainder Theorem. Proportion, Easy Surds, Theory of Indices, Simple Equations of one or more unknown quantities with easy problems, Easy Quadratic Equations, Elementary Graphs.

(Candidates will be provided with squared paper)

- (3) *Geometry*:—Practical and Theoretical Geometry.

The questions on Practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set-squares, a protractor, a compass and a hard pencil.

The questions on Theoretical Geometry will consist of theorems contained in the annexed Schedule B, together with easy extensions and deductions, with numerical illustrations. Any proof of a proposition will be accepted which appears to the Examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B, is not imposed as the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

(Candidates will be provided with squared paper).

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts or into parts in any given proportions.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines.

Construction of regular figures of 3, 4, 6, or 8 sides in or about a given circle.

Construction of a square equal in area to a given polygon.

SCHEDULE B.

ANGLES AT A POINT.

If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right angles; and the converse.

If two straight lines intersect, the vertically opposite angles are equal.

PARALLEL STRAIGHT LINES.

When a straight line cuts two other straight lines, if

- (i) a pair of alternate angles are equal, or
- (ii) a pair of corresponding angles are equal, or
- (iii) a pair of interior angles on the same side of the cutting line are together equal to two right angles, then the two straight lines are parallel; and the converse.

Straight lines which are parallel to the same straight line are parallel to one another.

TRIANGLES AND RECTILINEAL FIGURES.

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order, the sum of the angles so formed is equal to four right angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

If two triangles have two angles of the one equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other, the triangles are congruent.

- If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.
- If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.
- If two right-angled triangles have their hypotenuses equal, and one side of the one equal to one side of the other, the triangles are congruent.
- If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.
- Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.
- The opposite sides and angles of a parallelogram are equal; each diagonal bisects the parallelogram and the diagonals bisect one another.
- If there are three or more parallel straight lines and the Intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

AREAS.

- Parallelograms on the same or equal bases and of the same altitude are equal in area.
- Triangles on the same or equal bases and of the same altitude are equal in area.
- Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities:—

$$\begin{aligned}
 k(a+b+c+\dots) &= ka+kb+kc+\dots \\
 (a+b)^2 &= a^2+2ab+b^2 \\
 (a-b)^2 &= a^2-2ab+b^2 \\
 a^2-b^2 &= (a+b)(a-b)
 \end{aligned}$$

The square on a side of a triangle is greater than, equal to, or less than, the sum of the squares on the other two sides, according as the angle contained by those sides is obtuse, right, or acute. The difference in the case of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

LOCI.

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

THE CIRCLE.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter, is at right angles to the chord; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle), (1) if two arcs subtend equal angles at the centres, they are equal; (2) conversely, if two arcs are equal, they subtend equal angles at the centres.

In equal circles (or in the same circle), (1) if two chords are equal they cut off equal arcs; (2) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre; and the converse.

The tangent at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal; and if the line joining two points subtends equal angles at two other points on the same side of it, the four points lie on a circle.

The angle in a semi-circle is a right angle, the angle in a segment greater than a semi-circle is less than a right angle, and the angle in a segment less than a semi-circle is greater than a right angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary; and the converse.

If a straight line touch a circle and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle, intersect either inside or outside the circle, the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

PROPORTION: SIMILAR TRIANGLES.

If a straight line is drawn parallel to one side of a triangle, the other two sides are divided proportionally; and the converse.

If two triangles are equiangular, their corresponding sides are proportional; and the converse.

If two triangles have one angle of the one equal to one angle of the other and the sides about these equal angles proportional, the triangles are similar.

The internal bisector of an angle of a triangle divides the opposite side internally, in the ratio of the sides containing the angle, and likewise the external bisector externally.

The ratio of the areas of similar triangles is equal to the ratio of the squares on corresponding sides.

The following books are suggested :—

1. HALL, STEVENS AND SIMS: A School Arithmetic for Indian Schools.
2. Longman's Senior Arithmetic (Indian edition) by Dexter and Garlick, adopted for use in India by C. Pollard.
3. BAKER AND BOURNE: Elementary Algebra, Part I.
4. K. P. BASU: Algebra Part I.
5. HALL AND STEVENS: A School Geometry, Parts I-V.

History and Geography.

There will be two papers, each of three hours' duration, and each carrying 100 marks.

Paper I—

OUTLINES OF THE HISTORY OF ENGLAND.

Books recommended :—

G. TOWNSEND WARNER : A Brief Survey of British History.

or

C. W. C. OMAN : Junior History of England.

or

S. R. GARDINER : Outlines of English History.

(HISTORY OF INDIA).

Books recommended:—

HARAPRASAD SHASTRI: School History of India.

or

VINCENT A. SMITH: Oxford Students' History of India.

or

R. C. Dutt: A Brief History of Ancient and Modern India brought up to date, by J. N. Gupta, M. A., I. C. S.

Paper II—GENERAL AND PHYSICAL GEOGRAPHY.

SYLLABUS.

A—The Elements of Astronomical, Mathematical and Physical Geography.

The Solar system; Eclipses, Rotation and Revolution of the Earth and their effects; Climatic zones; Latitude and Longitude; Time; Principles of Map-Drawing; Shape of the Earth, Geological structure of the earth; Rocks and Volcanoes; Ocean movements, the effects of Climate; Rivers and their work; soil and its characteristics.

Atmosphere, Air, Wind, Storm, Cyclones and Water Spouts; formation of Deserts and Mountains and their influences on the surrounding countries.

B.—General Geography of the World in outline, with India in fuller detail with special reference to the following—

Relief; Climate and Rainfall; Soil and Products, Industries and Commerce; Communication and Population.

Longman's Geographical Series for India, Book II, is recommended.

Hertbertson's Junior Oxford Geography may also be consulted.

Sanskrit.

There will be two papers in Sanskrit each of three hours' duration and each carrying 100 marks. *One* will be on the text-books prescribed with questions on grammar and idiom. The *second* will consist of passages for translation from English into Sanskrit.

Paper I.

TEXT-BOOKS.

Valmikiya Ramayana—Selections (University Book Depot).

Hitopadesha (expurgated edition).

Grammar—

Shapdarupavali, Dhaturupavali.

Simple rules of Syntax and Compounds.

Paper II.

Translation—from English into Sanskrit.

N. B.—*Sanskrit shall be written in the Devanagari script.*

Arabic and Persian.

There will be two papers, each of three hours' duration and each carrying 100 marks. *One* will be on the text-books prescribed with questions on grammar and idiom. The *second* will consist of passages of unseen prose for translation into English or Urdu or Hindi, as well as a number of short sentences for translation from English or Urdu or Hindi into the classical language.

(a) ARABIC.

MAJANI-UL-ADAB, by Louis Cheikho: Vol. I. pages 7-23 and 41-152. (Published by the Imprimerie Catholique, Beyrout, Syria, and sold by the Book Depot at Aligarh).

For supplementary reading.

MAJANI-UL-ADAB, Vol. I. pages 234-276.

(b) PERSIAN.

GULISTAN of Sa'di. Book I (omitting the preface.)

BAHARISTAN of Jami. (First two chapters.)

BOSTAN of Sa'di. Book I.

For supplementary reading.

Shah's Diary. (First Journey.)

QAND-I-PARSI. (Aligarh.)

Modern Indian Languages.

There will be two papers, each of three hours' duration and each carrying 100 marks. The *first* paper will be set from the prescribed books of poetry and prose with questions on grammar and idiom, while the *second* will be a paper on composition, consisting of (1) an essay based on the subject matter of the books prescribed and (2) a general essay or a letter or both. No question on Translation or on Grammar shall be set in this paper.

N. B. Alternative subjects will be set for the essay at least to the extent of half the number.

(a) HINDI.

(1) Tulsi Das's RAMAYANA. Ayodhya Kanda from

मौगी नाव न केवट आना । कह्यो तुम्हार मरम मैं जाना ॥

to भरत राम सम्वाद सुनि, सकल सुमङ्गल मूल ।

सुर स्वारथी सराहि कुल, हरषित वर्षहिं फूल ॥

(2) ADHAKHILA PHULA (अधखिलाफूल) by Pandit Ayodhya Singh Upadhyaya.

(3) SATYA HARISH CHANDRA by Bharatendu Harish Chandra.

(4) Hindi Grammar.

(b) URDU.

- (1) GULDASTA-I-ADAB. (The Indian Press, Allahabad.)
 (2) NADIR-UL-QAWAID by Lala Harnam Das (The Indian Press, Allahabad.)

(c) BENGALI

- (1) MEGHANADABADHA KAVYA (মেঘনাদবধ কাব্য) by M. Madhusudan Dutt, Canto I.
 (2) KATHA-O-KAHINI (কথা ও কাহিনী) by Rabindranath Tagore.
 (3) SITAR BANAVASA (সীতার বনবাস) by Ishwar Chandra Vidyasagara.
 (4) AT-TI-GALPA by Rabindranath Tagore.
 (5) BHASHA-BODHA (ভাষাবোধ) by Nakuleshwar Bhat-tacharya.

(d) MARATHI.

लेले—गद्यरत्न समुच्चय

The following selections from नवनीत published by the Education Department, Bombay, fifth edition:—

वामन पंडित—स्फुट श्लोक (१३३-१४३ पृष्ठ)

मुक्तेश्वर—हरिश्चन्द्र आख्यान (१८२-२१० पृष्ठ)

मोरोपंत—कर्णपर्वांतील कृष्णार्जुनयुद्ध. (आर्या ११३ पासून २१२ पर्यंत)

तुकाराम—अभंग—२, ३, १८, १९, २०, २१, २७, २९, ४२, ५२, ५५, ५६,
 ५८, ६२, ७१, ७३. ७५, ८७, ८९, ९०, ९३, ९४. १०१.
 १११, १३३, १३८, १५२. १५४, १६७, १७३, १७५. १७६

जोशी—प्रौढबोध व्याकरण ।

(e) GUJARATI.

KARANA GHELO, by Nandshanker (School Edition).

MAMERUN, by Kavi Premananda.

FORBES VIRAHA, by Kavi Dalpatram.

SAMARANA SAMHITA, by Narsingrao B. Divatia.

(f) *PARBATIA*.

(1) *Bhansbhaktia Ramayana* (Poetry) Balakanda, Ayodhya Kanda, Aranya Kanda and Kiskindha Kanda.

(2) *Sankshipta Bharata* (Prose) : Adi, Vana, Virat and Udyoga Parvas.

(3) *Gurkha Vyakaranabodha*.

(g) *TAMIL*.

Prose and Poetry.—Selections prescribed by the Madras University for the year.

For supplementary reading :—

(i) *VIVEKACHANDRIKA*, by T. A. Swaminath Iyer.

(ii) Youth and Character or the History of Two Boys, by C. B. Venkataraman Iyer of R. L. T.

(h) *TELUGU*.

Prose and Poetry.—Selections prescribed by the Madras University for the year.

For supplementary reading :—

KAMALINI by Mrs. Alwar Chetti.

ABRAHAM LINCOLN, by S. Harisarvottama Rao, M.A.

A Modern European Language :

There shall be two papers each of three hours' duration and a *viva-voce* examination. Each paper will carry 90 marks and there will be 20 marks for the *viva voce*.

Paper I shall consist of easy passages in prose for translation from the Modern European Language into English, partly from books to be prescribed and partly unseen.

Paper II shall consist of easy English prose to be translated into the Modern European Language with easy ques-

tions on Grammar. In the *viva-voce*, importance will be attached to pronunciation.

Text-Books.—*French*—Dumas: *Levasion du Due de Beaufort*; *Le Francais et Sa Patrie* (Selections) *German*—Warner Spanhoofd: *Elementarbuch der deutschen Sprache* (Grammar); Anderson: *Bilderbuch ohne Bilder*.

Elementary Physics and Chemistry.

There will be two papers, *one* in Physics and *another* in Chemistry, each of three hours' duration and a simple practical examination in each subject. Each paper will carry 75 marks and there will be 25 marks for the practical examination in each subject.

(A) PHYSICS.

The following syllabus is prescribed:—

Simple ideas about Matter, and Inertia, and Force. Physical States of matter. Units of Length, Area and Volume. Measurements of Length, Area and Volume; Mass and Weight. Law of Universal Gravitation. Balance. Methods of Weighing. Density and Specific Gravity. Elementary idea about the Principle of Archimedes.

Effect of Heat on Solids, Liquids and Gases. Change of Volume, Change of Temperature. Thermometer. Quantity of Heat. Specific Heat. Change of State. Melting point. Boiling Point. Latent Heat. Evaporation. Condensation. Distillation.

Rectilinear Propagation of Light. Shadows. Reflection of Light by Plane and Spherical Mirrors. Real and Virtual Images. Refraction of Light through a rectangular glass plate and prism. Images by Lenses.

Magnets and magnetic substances. Magnetic Force. The earth as a magnet. Earth's magnetic force, only directive and not attractive. The Compass.

The Production of Electricity by Friction. Kinds of Electric Charges. Properties of a charged body. Conductors and Insulators. Electrostatic Induction. Gold-leaf-Electroscope. Electrophorus. Simple Frictional Machine, *e.g.*, Ramsden.

Electric current. Simple voltaic Cells. Effect of current on a magnetic needle. Galvanoscope. Simple experiments on heating and lighting effects by electric current.

The candidates shall be required to perform the important experiments, illustrating the principles studied.

Books suggested:—

GANOT: Natural Philosophy (Longmans, Green & Co.)

GREGORY AND HADLEY: A Class Book of Physics (Macmillan).

(B) CHEMISTRY.

1. The study of matter through the sense organs; observation of the following properties:—

Colour; transparency or opacity; shape; size; crystalline structure and texture (as seen through a lens if necessary); fracture or cleavage (to be studied in common salt, mica and Iceland spar).

Sound, produced by a body itself, or when it is let fall or struck.

Odour and taste, if any.

Cold or warm; yielding to pressure or not.

Weight and relative density. Balance.

Effect of heat and cold; melting and boiling points.

Solid, liquid, gas.

2. Solution, emulsion, mixture. Solubility in different liquids, water, alcohol, ether.

Filtration, crystallisation, distillation and sublimation.

1 and 2 to be studied with the following:—

Salt, nitre, chalk, marble, calcite (Iceland spar), lime, sand, quartz, blue vitriol, green vitriol, sulphur, rubber, carbonate of soda, iron, zinc, lead, tin, mixture of sand and salammoniac, camphor, shellac, oil, fat, charcoal.

3. The study of air, rusting of metals, active and inactive gases in air, burning of phosphorus in air, combustion and slow combustion studied with iron, magnesium, phosphorus, candle, charcoal, sulphur.
4. Oxygen gas prepared from red oxide of mercury, chlorate of potash and black oxide of manganese. Properties of oxygen.
5. Hydrogen gas prepared from zinc and sulphuric acid. Properties of hydrogen.
6. Nitrogen gas prepared from air and from a mixture of ammonium chloride and sodium nitrite. Properties of nitrogen.
7. Chlorine and hydrochloric acid, preparation and properties.
8. Study of water. Action of sodium and magnesium on water. Action of steam on red-hot iron. Electrolysis of water.
9. Carbonic acid gas, obtained by burning charcoal in air, and by the action of acids on chalk, carbonate of soda and *kankar*.
10. *Elements and Compounds*—Chemical combination and decomposition studied with reference to the foregoing substances.

A practical examination of a simple character will also be held in the course prescribed above.

Books suggested :—

SINCLAIR AND M'ALLISTER: First Year's Course of Chemistry.

L. M. JONES: Introductory Chemistry.

Botany.

The structure and germination of the seed. The conditions necessary for germination. Bean or Pea, Castor Oil seed, and the grain of maize may be taken as examples.

The forms of normal and adventitious roots. The functions and adaptations of roots.

The stem and its branching. The bud. Underground stems and their distinction from roots. The modifications of the stem.

N. B.—The forms of roots and stems should be taught by taking familiar types. For instance, *Colocasia* (kocha) and *Zingiber* (ahdi) may be taken as examples of Corm and Rhizome respectively, etc., etc.

Leaf—Phyllotaxis; simple and compound leaf. The distinction of a compound leaf from a branch.

Flower and its morphology.

An intimate knowledge of the structure and habits together with a correct technical description of the constituent parts of the following plants:

Sun-flower; pea; Lady's Finger or *Blindi*; Onion; wheat or maize; *Neem* tree (*Melia*) *Ber* tree (*Zizyphus* *jajuba*).

Fruit—Definition. Kind of fruit. Seed and fruit dispersal.

Physiology—Simple experiments on Photosynthesis, Transpiration and Respiration.

There will be two papers, each of three hours' duration and a simple practical examination. Each of the two papers will carry 75 marks and there will be 50 marks for the practical examination.

Paper I shall deal with (a) the structure and germination of the seed, and (b) general Morphology and Physiology.

Paper II will test the candidate's knowledge of specified plants mentioned above (e.g. Sun-flower, pea, Lady's finger or *Bhindi*; onion; wheat or maize; *Neem* tree (melia) *Ber* tree (*Zizyphus* *jajuba*).

The subject should be taught as far as possible practically. There shall be no microscopic work.

PRACTICAL WORK.

Candidates will be required to dissect (with or without the aid of a lens), describe and draw parts of plants prescribed in the Syllabus.

Further the candidates are expected to keep a record of all practical work done in the Laboratory in a note-book, which will be liable to examination by the University Examiners.

The following books are suggested for the use of the teacher:—

J. M. LOWSON: A Text-book of Botany (Indian Edition).

OLIVER: Elementary Botany.

Drawing.

There shall be three papers each of three hours' duration and each carrying 100 marks.

1. *Free-hand Drawing from the flat*—Light and shade as in Macmillan's Official Drawing Books Nos. 9, 10, 14, 19;

and Birds and Beasts as in Vere Foster's Drawing Books Series as also copying to an enlarged and reduced scale.

2. *Model Drawing*—Drawing of common objects, with light and shade, and the following Geometrical solids:—Cubes, Pyramids, Cylinders, Cones, and Spheres.
3. *Geometrical Drawing*.
 - i. The theory and use of instruments, especially of Protractor and Marquoise Scale.
 - ii. Plain block-letter writing.
 - iii. The whole of Practical Plane Geometry.
 - iv. Drawing to scale *viz.*, Scale of Chords, Diagonal Scale, Plain Scale.

Book suggested :—

Geometrical Drawing for Arts students, by J. H. Morris, specially edited for Indian students, by William Jesse, M. A., pp. 1 to 107 (omitting pp. 68 to 71) and pp. 107 to 120.

Manual Training.

The Examination will consist of (i) one paper of three hours in Drawing and (ii) a Practical Examination of four hours in Wood-work.

1. *Drawing* :—

- (a) The use of Drawing Board, T-Square, Set Square, Compasses and Simple Scales.
- (b) Drawing in plan, elevation, and side-view of all models in the course, and in conventional Isometric projection or Oblique projection of those of a rectangular shape.

2. *Wood-work* :—

(a) The use of the following tools :—

Jack Plane, Try Square, Marking Gauge, Steel Ruler, Marking Knife, Smoothing Plane, Tenon Saw, Bevel Square, Screw Driver, Firmer Chisel, Firmer Gauge, Hammer, Mallets, Bradawl, Compass, Gimlet, Bow-saw, Spoke, Shave, File, Brace and Bit.

(b) Care of tools :—

The candidate should show his ability to put the common edged tools into fair workable condition.

(c) The following joints at least should be included amongst the models :—

Lap Joint, Butt Joint, Half-Lap, Housing, Mottise and Tenon, Half-lap Dovetail, Edge Dovetail, and Bridle Joint.

Books suggested :—

1. J. Y. BUCHANAN: Manual Training for Indian Schools.
2. J. CHARLES PEARSON: Manual of Instruction, (Wood-work.)
3. E. J. ANDREWS: The " Self-help " course of Wood-work.

Agriculture and Surveying.

(*Courses not prescribed.*)

Intermediate Examination 1922.**English.**

There will be two papers in text-books, *one* in poetry and *the other* in prose, each of three hours' duration. There will be two other papers, also of the duration of three hours each, *one* containing exercises in general composition, including an essay, and *the other* of subjects for essay-writing

bearing on books for non-detailed study. The books of poetry prescribed for the course will ordinarily include a play of Shakespeare, but questions in it will be limited to the interpretation of the text and to an appreciation of the story. The books prescribed for general study will, as far as possible, be representative of different kinds of prose composition. There will also be a *viva voce* examination, which will be limited to a test of the candidate's capacity to use the English language.

N. B.—Alternative questions will be set, at least to the extent of half the number of questions, in each paper.

1. *Poetry*—

SHAKESPEARE: Merchant of Venice.

TENNYSON: Lancelot and Elaine.

WORDSWORTH: Michael.

2. *Prose*—

Coverley Papers, edited by Myers (Oxford University Press).

BOSWELL: Life of Johnson (Blackie's English Texts).

AUSTEN: Pride and Prejudice (abridged by H. A. Treble, Macmillan's English Literature for schools.)

3. *Non-detailed study*—

PAYNE: Annals of Mewar (abridged from Tod-Routledge.)

SCOTT: Ivanhoe.

HAMILTON: Greek Legends (Clarendon Press).

FOWLER: British Orators (Macmillan).

Composition in a Modern Indian Language.

There will be *one* paper on composition in a Modern Indian Language, of three hours' duration.

It will consist of three essays only one general and two based on the subject matter of the books recommended for the study.

The essays based on the books shall not demand a detailed knowledge of the contents of them. Alternative subjects should be set for essay at least to the extent of half the number.

The following books are recommended for general study as presenting models of composition and style.

(A) HINDI.

(1) *Kavita Kaumudi* (कविताकौमुदी) by Pandit Ramnaresh Tripathi, Part I, the following authors and poets only and the कौमुदीकुंज—

कबीर साहिब, सूरदास, हितहरिवंश, नन्ददास, मलिक मुहम्मद जायसी, गङ्ग, रहीम, केशवदास, रसखान, प्रवीणराय, बिहारीलाल, भूषण, मतिराम, घनानन्द, देव, बैताल, छन्द, रसलीन, नागरीदास और बनीठनीजी, दास, तोष, चरणदास, गिरिधरकविराय, दूल्हा, ठाकुर, पद्माकर, दीनदयालगिरि and रघुराजसिंह ।

(2) *Ranadhira Prema Mohini* (रणधीर प्रेममोहिनी) by Shri Nivas Das.

(3) *Mahabharata* (महाभारत) by M. P. Dvivedi.

(B) URDU.

(1) *Yadgar-i-Ghalib* by Khwaja Altaf Husain Hali (Mohammedan College Book Depot, Aligarh) to the end of Chapter on **نثر اردو پر دیوید اور اس کا انتخاب** and excluding the Chapters dealing with Ghalib's Persian writings.

(2) *Majmua-i-Nazm-i-Azad* by Maulvi Mohammad Husain Azad (Azad Book Depot, Lahore).

(3) *Ibn-ul-Waqt* by Maulvi Nazir Ahmad (Nazir Husain & Sons, Dariba Kalan, Delhi).

(C) PARBATIA.

(1) *Sakuntalopakhyana*.

(2) *Bidulaputra Samvada*.

- (3) *Sankshipta Bharata*—Parvas other than Adi, Bana, Virat and Udyoga.
- (4) *Bhanubhaktiya Ramayana*—Yuddha Kanda.

(D) BENGALI.

- (1) *Ramer Sumati* by Sarat Chandra Bhattacharya.
- (2) *Charita Katha* by Ramendra Sunder Trivedi.
- (3) *Paribarik Prabandha* by Bhudeb Mukerji.
- (4) *Adhunik Sahitya* by Rabindra Nath Tagore.

(E) GUJARATI.

- (1) *Hasya Mandir* by Ramanbhai and Mrs. Vidya Ramanbhai.
- (2) *Narmad Jivan* by Navalram.
- (3) *Hridaya Vina* by Narsingh Rao B. Divatia.
- (4) *Parakramani Prasadi* by K. H. Dhruva.

(F) MARATHI.

- (१) न्या० रानडे-धर्मावर व्याख्याने ।
- (२) ह० ना० आपटे—‘मी’
- (३) केसरीतील निवडक निबंध-भाग १, २।
- (४) वि० शा० चिपलूणकर-संस्कृत कविचंचक ।

(G) TAMIL.

- (1) *Elements of Civics for India in Tamil*—by Mr. T. S. Subramania Iyer, M. A., L. T.
- (2) *Prātapa Modalier Charitam* by the late Mr. Veda-ayagam Pillai.
- (3) *Kambanadar*—by Mr. T. Chelvakeshavaray Mudalier, M. A.

(H) TELUGU.

Rajasimha—by Venkatāparvatīsa Kavalu.

Sudhasaratchandramu—by C. L. Narasimham.

Chandragupta—by Vidyananda Paramahansa.

Sanskrit.

There will be THREE papers, each of three hours' duration. The *first* paper will be on the prescribed books of **prose**, the *second* on the prescribed books of poetry, and the *third* on (a) grammar and (b) translation.

Paper I.—*Prose*:

Selections from—

- (a) The narrative portions of Brahmanas, Aranyakas and Upanisads (not exceeding 15 pages).
- (b) *Harshacharitra*;
- (c) *Dasakumaracharita*;
- (d) *Jatakamala*; and
- (e) *Upamitibhavaprapancha Katha*.
the last four not exceeding 50 pages.

Paper II.—*Poetry*:

Raghuvamsa—Cantos I and II.

Bhartrihari—*Nitisataka*.

Paper III—(a) (Grammar) Declension, Conjugation, Syntax, Compounds and Derivatives (*Krit* and *Taddhita*).

(b), *Translation* from English into Sanskrit.

N.B.—Sanskrit shall be written in the Devanagari script.

Arabic and Persian.

There will be **THREE** papers, each of three hours' duration. The *first* paper will be on the prescribed books of prose and poetry and will contain questions on grammar and prosody also, while the *second* will consist of passages of unseen prose for translation from the Classical language into English or Urdu or Hindi, and the *third* paper will consist of two pieces of English, Urdu or Hindi prose for translation into the classical language, one in simple language and the other slightly more difficult.

ARABIC.

Selections in Arabic Prose and Verse (Published in 1911, Anwar Ahmadi Press, Allahabad).

Books recommended for supplementary reading:—

Qalyubi, Nawadir Hikayat, 1-150.

Grammar recommended:—

Nabadi-ul-Arabiya, by Shartuni III (P. 1-96 Sarf).

PERSIAN.

Anwar-i-Suhaili.

Ruba'iyat-i-Umar-i-Khayyam.

Ruqa'at-i'-Alamgiri.

Hafiz (to end of radif of ۛ).

For supplementary reading:—

Shah's Diary (whole).

A Modern European Language.

(French, German and Italian).

There will be *three* papers and a *Viva Voce* examination.

The *first* paper shall consist of passages for translation from the modern European language into English, partly from the books prescribed and partly unseen.

The *second* paper shall consist of passages for translation from English into the modern European language.

The *third* paper shall consist of an essay or letter to be written in the modern European language and of questions on Grammar;

The following text-books are prescribed:—

FRENCH.

Modern French Stories:—

(Daudet, Juies Claretie, Bazin, Theurret, Jean Rameau, Pierre Chapelle Hugues le Roux, Jean de Villeurs, Henri Datin etc.)

Daudet: Tartarin de Tarascon.

Berthon: Specimens of Modern French Verse (Assigned Readings).

Grammar, Composition, Conversation

GERMAN.

Riehl: Burg Neideck:

Freytag: Die Journalisten; Ebner-Eschenbach: Die Freiherren von Gemperlein.

Selected German Lyrical poems and ballads will be read.

Grammar, Composition and Conversation will be required.

Mathematics.

There will be THREE papers in Mathematics, each of three hours' duration. *One* paper in Algebra and Trigonometry, the *second* in the Geometry of Conics and Solids and the Elements of Co-ordinate Geometry and the *third* on Elementary Mechanics.

The courses shall be as follows:—

- (1) *Algebra*.—Quadratic equations involving two or more unknown quantities. The theory of quadratic equations and of expressions of the second degree. Imaginary Expressions. Arithmetical, Geometrical, and Harmonical Progressions. Permutations and Combinations. Binomial and Exponential Theorems. Logarithmic Series and Elementary Determinants.
- (2) *Plane Trigonometry*.—Including Solution of Triangles, and simple problems of inscribed, circumscribed and described circles. Logarithms, Graphical representation of the circular functions. Inverse circular functions.
- (3) *Geometry of Conic Sections*.—The properties of the Parabola, Ellipse and Hyperbola treated geometrically.
- (4) *Geometry of Solids*.—As in Hall and Stevens, Part VI. The use of Trigonometry and Logarithms shall be permitted in solving numerical examples.
- (5) *Co-ordinate Geometry*.—The properties of the straight line and circle treated by rectangular and polar co-ordinates and the simplest equations of the Parabola, Ellipse and Hyperbola.
- (6) *Elementary Mechanics*.—As in Loney's *Mechanics* for beginners.

The following books are suggested :—

1. *Algebra*, Part II, by K. P. Basu.
2. *Trigonometry*, Part I, by Loney.
3. *Geometrical Conics*, by Ashutosh Mukherji.
4. *Co-ordinate Geometry*, by C. Smith.
5. *Elementary Mensuration*, by Stevens.
6. *Trigonometry* by Hall and Knight.
7. *Co-ordinate Geometry* by Chandi Prasad.

History.

There will be two papers in History, *one* on the Histories of Greece and Rome and the *other* on the History of

India. Each paper will be of three hours' duration.

PAPER I.

C. D. EDMONDS: Greek History for Schools.

CREIGHTON: Rome (Primer).

PAPER II.

PROTHERO AND S. C. VIDYABHUSAN: History of India up to the end of the reign of Queen Victoria.

Logic.

The books recommended for study are not meant to be used as prescribed text books but as indicating the general scope of studies in the subjects to which they relate. In Indian Philosophy however the questions should be confined, as far as possible, to the books recommended.

There will be two papers, each of three hours' duration.

Paper I.—Elements of Deductive Logic.

Paper II.—Elements of Inductive Logic.

N. B.—25 per cent of the total marks in each paper shall be reserved for Indian Logic.

The subject of Logic is to be studied as defined in the following syllabus:—

§
DEDUCTIVE LOGIC.

1. The Problem of Logic. Its definition and scope. Relation of Logic to Psychology, to the Natural Sciences and to Philosophy. Logic as Science and Art. Logic as Material and Formal.
2. Thought—its essential nature and its forms. Laws of Thought as Psychological and Logical. Thought and

Language. Relation of Logic to Grammar. Judgment and Proposition. The parts of a Proposition.

3. Concept—its relation to judgment. Concept and name. Name and Term—their relation. Kinds of Terms. Nomenclature of Predicables. Definition and Division as logical processes.

Propositions and their classification. Distribution of Terms in a proposition. Opposition of propositions. Immediate Inferences.

5. Mediate Inferences and their varieties. Syllogism—its nature and its constituent parts. Rules of Syllogism. Figure and Mood. Determination of valid Moods and its different methods. Reduction—its methods, and use. Abbreviated and Irregular forms of Syllogism. Trains of Reasoning. Hypothetical and disjunctive arguments and their varieties.
6. Fallacies and their classification. The nature of each fallacy.

INDUCTIVE LOGIC.

1. The problem of Induction. The Inductive process and its different forms. Assumptions of Induction. Laws of Causality and Uniformity of Nature.
2. Preliminaries of Induction. Observation and Experiment. Methods of Induction.
3. Scientific and Imperfect Inductions. Induction by Enumeration and the use of Statistics. Induction by Analogy—its nature and value.
4. Hypothesis—its formation and use. Conditions of legitimate hypothesis. Explanation. Deduction and Induction and their connection.

5. Fallacies. Varieties of Inductive Fallacies and the nature of each variety.

ELEMENTS OF INDIAN LOGIC.

1. बुद्धिः and ज्ञानम्; ज्ञानम् as स्मृतिः and अनुभवः—the nature of each.
2. ज्ञानम् as अनुभवः—its two varieties as यथार्थः and अयथार्थः the varieties of यथार्थज्ञानम् and the कारणम् of each variety; कारणम् and कारणम्—their relation; the nature and kinds of कारणम्.

ज्ञानम् as प्रत्यक्षम्—its nature and varieties; the sources of प्रत्यक्षम्.

4. ज्ञानम् as अनुमितिः—its nature and varieties; the processes involved in each kind of अनुमितिः; हेत्वाभासः—its nature and varieties.
5. ज्ञानम् as उपमानम्—its nature and relation to analogy.
6. ज्ञानम् as शब्दम्—its nature; the function of शब्दः in ज्ञानम्; the sources and varieties of शब्दज्ञानम्.
7. ज्ञानम् as अयथार्थम्—its varieties; the nature of each variety.

Books recommended for studies in connection with the above syllabus:—

1. CREIGHTON: Introductory Logic (omitting Part III).

or

2. WELTON: Intermediate Logic.

and

3. *Tarkasāṃgraha* of Annambhatta (Bombay Samskrit Series) edited with English notes by Athalye.

N.B.—Questions in Indian Logic are to be distributed between the two papers in accordance with the subject-matter of each.

Books that may be consulted:—

STOUT: Ground-work of Logic.

JEVONS: Elementary Lessons in Logic;

MINTO: LOGIC.

CARVETH READ: Logic—Deductive and Inductive.

FOWLER: Inductive Logic.

JEVONS: Studies in Deductive Logic.

Tarkabhasa by Keshava Misra;

Bhasaparichheda.

BALLANTYNE: Lectures on *Nyaya* Philosophy edited by
Dr. Hall.

Drawing.

(*Courses not prescribed*).

Manual Training.

(*Courses not prescribed*).

Elementary Economics and Indian Administration.

(Students are expected to show some knowledge of
Economic Geography.)

Text Books recommended:—

MORELAND : Introduction to Economics for Indian
students.

PENSON: Economics of Everyday Life.

ANDERSON: The Indian Constitution.

Books for Consultation:—

Imperial Gazetteer Vols. III and IV.

Biology.

There will be two papers, *one* in Botany and *another* in Zoology, each of three hours duration. There will *also* be *practical test* in both branches.

(A) BOTANY.

Histology—Plant cell. The cell-wall and its modifications. Living and non-living contents of the cell. Micro-chemical tests for the wall and the contents. The distinction between animals and plants. An elementary knowledge of the plant tissues and tissue system. The general structure of the various organs of an angiosperm and the mode of growth.

External Morphology—The same as for Admission Examination, but a higher standard would be expected.

Systematic—(a) The characteristics of the following natural orders:—Ranunculacæ, Cruciferæ, Malvaceæ, Rutaceæ, Leguminosæ, Labiatæ, Compositæ, Liliacæ, Solanaceæ.

(b) The structure and life history of—

- (i) *Bacillus Subtilis*, (ii) *Saccharomyces*, (iii) *Mucor*,
(iv) *Spirogyra*, (v) a Moss, (vi) a Fern.

An outline of the classification of the vegetable kingdom to illustrate the gradual increase of complexity of structure and methods of reproduction.

Physiology—The stability of plant body. The usual constituents of plant food. Assimilation, transpiration, respiration. An elementary knowledge of the reaction of plants to environments.

PRACTICAL WORK.

Candidates will be required to examine microscopically, to dissect and to describe specimens of plants included in the above syllabus.

They are also expected to keep a record of all practical work in the Laboratory in a note-book, which will be liable to examination by the University Examiners.

The following books are suggested:—

J. M. Lowson: 'A Text-book of Botany' (Indian Edition).

D. Thoday: Botany, 'A Text-book for Senior Students' (Cambridge University Press).

Scott: Structutive Botany, 2 Volumes.

Bhatia and K. Narain: 'Laboratory Note-book of Botany,' (Lahore).

(B) ZOOLOGY,

Definition and scope of Zoology. Nature of Protoplasm.

The structure and life-history of Amœba. Structure of the Cell; Cell-Division; Conjugation and Fertilisation. Elements of Development. Structure and functions of the animal tissues. The structure and life-history of Hydra, Pheretima or Eutyphœus, and Cockroach.

The Anatomy and Osteology of the Frog and the Rabbit.

The elementary physiology of the various organs, as illustrated by the Frog and the Rabbit.

The outlines of the development and larval history of the Frog.

A general classification of the Animal Kingdom with the characteristics of the principal phyla.

PRACTICAL WORK.

The candidates will be required to examine microscopically, to dissect and to describe the animals named in the syllabus. They are also expected to keep a record of all practical work done in the Laboratory in a note-book, which will be liable to examination by the University examiners.

The following books are suggested :—

BORRADAILE: *Manual of Zoology* (Oxford Med. Pub.).

MARSHALL: *Frog*.

MARSHALL AND HURST: *Practical Zoology* (Mac Millan).

G, C. BOURNE: *Comparative Anatomy of Animals*, in two Vols. (G. Bell & Sons).

Physics.

There will be two papers, each of three hours' duration.

There will *also* be a *practical* examination.

1st Paper—Elementary Experimental Mechanics, Hydrostatics, Heat and Sound.

2nd Paper—Light, Electricity and Magnetism.

The following syllabus is prescribed :—

EXPERIMENTAL MECHANICS

Matter, Inertia, and Force. Fundamental notions of Velocity and Acceleration. Composition of Velocities and Accelerations. Triangle of Forces. Laws of Motion. Units of Force. Mass and Weight. Unit of time. Work. Potential and Kinetic Energy. Conservation of Energy. Laws of Universal Gravitation. Atwood's Machine. Moments. Parallel Forces. Couples. Centre of Gravity. Balance. Friction. Simple Machines. Simple Experiments on projectiles. Simple Pendulum. Simple Harmonic Motion.

HYDROSTATICS.

Fluid Pressures. Pressure in Liquids. Relative Density of Liquids by Balancing Columns. Principle of Archimedes. Density. Specific Gravity. Principle of Floating Bodies. Hydrometers.

Atmospheric Pressure. Barometer. Manometer. Density of Air. Boyle's Law.

Simple Water and Air-pumps. Hydraulic Press. Syphon, Diving Bell.

(All the above in Mechanics and Hydrostatics should be studied from an *experimental* point of view, mathematical problems and their calculations being excluded).

HEAT.

Temperature and Thermometers. Co-efficients of Expansion.

Expansion of Solids, Liquids and Gases. Vapour Pressures. Hygrometry. Calorimetry, Calorimeters and their water-equivalents. Capacity of Heat and Specific Heat. Latent Heat. Conduction, Convection and Radiation, Reflection and Absorption of Radiant Heat. Relation of Heat and Work. Mechanical Equivalent. Joule's Experiment.

Boyle's Law, $p v = R T$. Isothermal and adiabatic curves. Applications of their equations in p , v , co-ordinates. Definition of Specific Heat at constant volume and at constant pressure. Definitions of Isothermal and Adiabatic Elasticities of a gas.

LIGHT.

Rectilinear Propagation of Light. Laws of Reflection and Refraction of Light. Fizeau's and Foucault's methods of determining the Velocity of Light. Photometry. Mirrors and Lenses. Dispersion of Light by Prisms. Spectrometer. Pure Spectrum and Fraunhofer's Lines. Simple optical Instruments, *e.g.*, Telescopes, Microscopes, Sextants, Cameras, Optical Lanterns. Simple experiments to illustrate defects of vision and their remedies.

SOUND.

The Propagation and Velocity of Propagation of Sound in Air. Nature of Sound waves. Wave-length, Frequency and Amplitude, Reflection, Refraction and Interference

of Sound waves. Applications of the formula $V = \sqrt{\frac{E}{\rho}}$.
 Vibration of strings and determination of frequency by
 means of the formula $N = \frac{1}{2l} \sqrt{\frac{T}{M}}$. Nodal points in open
 and closed pipes. Diatonic Scale and Musical Intervals.
 Sensitive Flames. Manometric Flames, as seen in a
 revolving mirror. The use of Resonators. Explanation
 of Beats. Harmonics.

ELECTRICITY AND MAGNETISM.

Frictional Electricity. Methods of Production. Conductors
 and non-conductors. Induction. Electroscopes. Charging
 an Electroscope by Conduction and Induction
 Electrophorus. Condensers. Capacity of Condensers.
 Unit of Charge and Potential, Voss's Influence Machine.

Simple Magnet. Definition of Unit Magnetic Pole. Ter-
 restrial Magnetism. Dip. Declination. Magnetic Moment.
 Lines of Force. Magnetometer.

Voltaic Cell. Electric current and its magnetic effects.
 Daniell, Bunsen, Leclanche and Bichromate Batteries.
 Simple Astatic and Tangent Galvanometers. Electroly-
 sis. Voltmeter. Definitions of Unit Quantity of
 Electricity, Unit Difference of Potential, Electromotive
 Force and Resistance. Ohm's Law. Wheatstone's
 Bridge and Post Office Box. Heating effect of current.
 Joule's Law. Electro-magnets. Induction Coil. Simple
 Dynamo. Electric Lamps and Arcs, Electric Bells. Prin-
 ciples of Telegraphy. Definitions of Practical Units and
 their relation to Absolute Units. Thermopile.

The following books are suggested:—

BROWN: Experimental Science I.—Physics (Camb. Univ.
 Press).

GLAZE BROOK: Heat and Light.

R. K. DE: Sound.

C. E. ASHFORD: Electricity, and Magnetism. (Arnold)

S. P. THOMPSON: Electricity, and Magnetism. (Such portions as are required by the Syllabus).

R. S. WILLOWS: Text-book of Physics.

A. W. POYSER: Electricity and Magnetism.

There shall also be an examination in Practical work. The laboratory course is indicated by the subjoined list of experiments. An account of each experiment must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator and the note-books should be kept in his charge.

List of Experiments.

1. Measurement of length.
2. Vernier.
3. Callipers.
4. Screw-guage.
5. Thickness of a glass-plate by a Spherometer.
6. Measurements of Areas and Volumes.
7. Balance. Determination of Mass.
8. Determination of Specific Gravities by Hydrostatic Balance.
9. Nicholson's Hydrometer,
10. Densities of Liquids by U-tube and Hare's apparatus.
11. Barometer and Boyle's Law.
12. Simple Pendulum. Variation of periodic time with length.
13. Applications of Triangle of Forces.
4. Equilibrium of Parallel Forces.

15. Principle of Moments.
16. Determination of Co-efficient of Friction.
17. Testing fixed points of Thermometers.
18. Determination of Specific Heats.
19. Determination of Latent Heats.
20. Construction of a Graph, illustrating the rate of cooling of a liquid.
21. Comparison of expansion of water over different ranges of temperature.
22. Determination of Boiling Points.
23. Reflection and Refraction of Light at Plane and Spherical Surfaces.
24. Determination of Refractive Indices.
25. Focal Lengths of Concave Mirrors and Convex Lenses.
26. Production of pure Spectrum by a Slit, Prism and Lenses.
27. Determination of Velocity of Sound by Resonance Tube.
28. Mapping out lines of force by a small magnet and determination of neutral points in a magnetic field.
29. Comparison of magnetic moments by Magnetometer.
30. Experiments with Electroscope.
31. Variation of magnetic force at the centre of a coil with radius, number of turns and strength of current.
32. Reduction Factor of a Tangent Galvanometer.
33. Determination of Resistance by the use of Wheatstone's Wire-bridge.

The following text-books are recommended for Practical Work:—

R. K. DE.—Intermediate Course of Practical Physics.

BROWN—"Experimental Science I, Physics," (Cambridge University Press).

H. E. HADLEY—"Manual of Practical Physics."

Chemistry.

There will be two papers, each of three hours' duration.
There will also be a *practical* examination.

The following course has been prescribed, in addition to what has been indicated for the Admission Examination.

Chemical action. Mechanical mixture and compounds. Laws of chemical combinations by weight and by volume. Laws of Charles and Boyle. Density of gases. Vapour pressure. Graham's Law of Diffusion. Atomic theory and Avogadro's hypothesis, atoms, molecules, atomic and molecular weights determination. Dulong and Petit's law. Chemical symbols formulæ, equations. Valency, equivalent weights and their determinations. Elementary ideas of the kinetic theory of gases, of the law of mass action, ionic theory (in solutions) and dissociation (gaseous). Calculations of an easy nature.

Flame, Bunsen burner, blowpipe flame, ignition temperature. Davy's safety lamp, oxidation, reduction Periodic classification (treated with reference to the elements prescribed below).

Study of the following elements and compounds—

Hydrogen, oxygen, ozone, water, hydrogen-peroxide, oxides (acidic, basic, neutral). Peroxides, bases, acids, **neutralisation**.

Nitrogen, its oxides, ammonia, nitric and nitrous acids, nitrates and nitrites, action of heat on nitrates, atmosphere.

Chlorine, its monoxide and peroxide, hydrochloric, hypochlorous, chloric acids, and their salts, perchlorates.

Bromine, hydrobromic, hypobromous, and bromic acids, and their salts.

Iodine, hydriodic and iodic acid, iodates, iodides, iodine pentoxide.

Fluorine, hydrofluoric acids and fluorides.

Sulphur, its allotropic modification, sulphuretted hydrogen, sulphur di- and tri-oxides. Liquifaction of sulphur dioxide, sulphurous and sulphuric acids, sulphides, sulphites, sulphates, manufacture of sulphuric acid—chamber process, contact process.

Carbon, its allotropic modifications, oxides of carbon, coal gas, methane, ethylene and acetylene.

Phosphorus, its allotropic modifications, phosphoretted hydrogen, tri- and penta-oxides, orthophosphoric acid and the phosphates of the alkali and the alkaline earths, tri- and penta-chloride of phosphorous.

Silicon, silica, silicic acid and the silicates, silicon fluoride, dialysis, glass and porcelain.

Potassium, and sodium, their oxides, hydroxides, chlorides, sulphates, carbonates, nitrates, chlorates and perchlorates.

Ammonium salts, chloride, sulphate, nitrate and carbonate.

Calcium, barium, strontium, their oxides and hydroxides, chlorides, sulphates, nitrates, carbonates, bleaching powder and calcium carbide.

Magnesium, zinc and mercury, their oxides, chlorides and sulphates, sulphides of zinc and mercury, mercury nitrates. Arsenic, antimony and bismuth, their oxides, chlorides and sulphides, bismuth nitrate and the hydrides of antimony and arsenic.

Aluminium, its oxide, hydroxide, sulphate and chloride, alum.
Boron. boric acid, borax.

Copper, its oxides, chlorides, sulphate, sulphides and nitrate,
brass, bronze.

Silver, its nitrate, chloride, bromide, iodide.

Tin, its oxides, chlorides and sulphides.

Lead, its chloride, iodide, sulphate, nitrate, acetate, carbonate.

Iron, its oxides, sulphates, chlorides, sulphides; cast iron,
wrought iron, steel.

The metallurgical extraction of the following metals:—

Iron, copper, zinc, mercury, lead, aluminium, tin, magnesium,
sodium.

Determination of the composition and the molecular formula
of the more important compounds in the syllabus, for
example:—

Water, ozone, ammonia, hydrochloric acid, methane, sulphur
dioxide, etc.

PRACTICAL WORK.

Candidates are expected to perform the following experiments in the Laboratory:—

Simple gas preparation and the fitting up of the apparatus
needed for the same including glass bending, joining two
straight glass tubings and simple glass blowing.

Detection by dry and wet methods of the following radicals
in simple salts:—K. Na. NH_4 . Ca. Sr. Ba. Mg. Zn. Hg.
Al. Cu. Ag. Pb. Fe. As. Sb. Bi. SO_4 . NO_3 . Cl. Br. I.
 CO_3 . ClO_3 . SO_3 .

Volumetric analysis. Preparation of standard solutions
of acids and alkalis and simple estimation of acids and
alkalis in their solutions.

Determination of equivalent weights of magnesium, zinc and copper.

4. Determination of the loss in weight on heating of magnesite and gypsum.
6. Preparation of simple salts, for example :—

Barium Chloride from Barium Sulphate, Copper Sulphate from Copper; Zinc Sulphate from Zinc.

Quantities of the material and the yield to be measured.

Attention is directed to the importance of candidates keeping complete records of their practical work. When presenting themselves for examination, they are required to submit note-books containing records of the practical work performed during the last two years of training for inspection by the examiners, who will take them into account in deciding the examination. Candidates will be allowed to use their own note-books at the time of the practical examination. These note-books will only contain the account of the actual work performed by the candidates.

Books recommended :—

ROSCOE AND LUNT: Inorganic Chemistry for Beginners.

ROSE AND HARDEN: Inorganic Chemistry for Advanced Students.

HOLLEMAN AND COOPER: Text-book of Inorganic Chemistry.

F. JONES: A Junior Course of Practical Chemistry.

BRUCE AND HARPER: Practical Chemistry.

P. C. ROY: Practical Inorganic Chemistry.

An additional course in Chemistry fully covering the requirements of the Preliminary Scientific Examination of Medical Degree of the Allahabad University will be

provided and it will be optional for candidates appearing for the Intermediate Examination to take this course in addition to the ordinary course.

The Syllabus prescribed by the Allahabad University for the Preliminary Scientific Examination will be adopted for this additional optional course in Chemistry. (*Vide* resolution No. 14 of the Senate, passed on the 3rd March 1918.)

Geology.

There will be two papers each of three hours' duration.
There will also be a practical examination.

Paper I.—Physiography, Dynamical Geology and Structural Geology.

Paper II.—Crystallography, Mineralogy, Petrology and Historical Geology.

Practical Examination—Recognition of Simple crystal forms, Determinations of the most common and rock forming minerals by sight and with the aid of such instruments as the lens and the blow pipe. Recognition of the more common rocks in hand specimens with the aid of the lens. Interpretation of simple Geological maps and sections.

(1) *Physiography* :—

The Earth as a Planet. Its Form, Size and Motions. The Earth and the Sun. Measurement and Mapping of the Earth's Surface.

The Atmosphere. Its Composition, Height, Pressure, Temperature, Moisture and Movements. Climate. The Climates of India.

The Sea. Its Saltness, Depths, Temperature, Ice, Movements and Offices.

The Land. Continents and Islands. Mountains, Plains and Valleys. The Composition of the Earth. Volcanoes. Movements of the Land—Earthquakes. Slow Upheaval and Slow Subsidence. The Waters of the Land. Composition of Pure and Natural Waters. Springs and Underground Rivers, Brooks and Rivers, Lakes and Inland Seas. The Work of Running Water. Frost, Snow-fields, Glaciers.

The Sculpture of the Land. The Magnetism of the Earth.

Text books;—

SIR A. GEIKIE: Elementary Lessons in Physical Geography.

H. F. BLANFORD: Rudiments of Physical Geography for Indian Schools.

PHILLIPS: Indian Model Atlas.

(2) *Crystallography*:—

The recognition, classification and representation of the principal crystal forms assumed by minerals; the use of crystal form in the identification of minerals. The subject will be illustrated in the laboratory by crystals and models of the most important rock-forming minerals.

Text-books:—

RUTLEY AND READ: Elements of Mineralogy (20th Edition).

(3) *Mineralogy*:—

The physical and chemical properties of the more common and specially the rock-forming minerals; their classification, association and modes of occurrence. In the laboratory the properties and characters will be determined and recorded by the students with the aid of such instruments as the lens, balance and blowpipe.

Text-book:—

RUTLEY AND READ: Elements of Mineralogy (20th Edition.)

(4) *Petrology*:—

The nature, composition and classification of crystalline, clastic and foliated rocks; the origin of corresponding rocks at the present day on the ocean bed, in association with volcanoes, and elsewhere. In the laboratory, series of rocks will be studied in hand specimens.

Text-book:—

CLASS NOTES.

Book for Reference:—

RUTLEY: Study of Rocks.

(5) *Dynamical Geology*:—

The action of the air and of water upon the solid earth, and its geological consequences in the destruction and renewal of the earth-crust; the forces acting upon that crust from within and their results in modifying the forms of the earth's surface, and in altering the character and distribution of its materials.

Text-book:—

SIR A. GEIKIE: Class-book of Geology (6th Edition).

(6) *Structural Geology*:—

The arrangement and inter-relations of the great rock-masses in the earthcrust and the part played by them in its architecture. This part of the subject will be illustrated by the study of geological maps and sections; the methods of reading and constructing these will be taught in the laboratory, and, if possible, in the field.

Text-book:—

SIR A. GEIKIE: Class-book of Geology (6th Edition).

(7) *Historical Geology*:—

The principles on which the chronological classification of rock-masses depends; the nature of the fossil remains of animals and plants, and their use in determining the age of rocks; the history of the earth's crust and of its inhabitants as revealed by the succession of Formations. In the laboratory, typical sections, rocks, and fossils will be studied.

Text-book:—

SIR A. GEIKIE: *Class-book of Geology* (6th Edition).

B. A. Examination, 1922.

English.

ORDINARY COURSE.

There will be FOUR papers in all, each of three hours' duration, two in text-books, poetry and prose respectively, and two in essay-writing, one general and the other relating to books prescribed for general study. The books prescribed in poetry will ordinarily include one of the more difficult plays of Shakespeare, and some selections from Milton. The books for non-detailed study will, as far as possible, be representative of narrative, descriptive expository and persuasive composition. There will also be a *viva voce* examination which will be limited to a test of the student's capacity to use the English language.

N. B.—Alternative questions will be set, at least to the extent of half the number of questions, in each paper.

4. *Poetry*.

SHAKESPEARE: *Hamlet* and *Twelfth Night*.

MILTON: *Lycidas*

Wordsworth: *Ode on the Immortality*

Browning: *Rabbi Ben ezra*.

SHELLEY: *Adonais*.

TENNYSON: *Palace of Art*.

} *Palgrave's*
} *Golden*
} *Treasury*

2. *Prose.*

RUSKIN: *Sesame and Lilies*.

Nineteenth Century Essays, edited by Sampson (Cambridge University Press.)

Essays on Addison, edited by Hadow (Oxford University Press.)

3. *Non-detailed study.*

BURKE: *Conciliation with America*. (Macmillan & Co.)

DE QUINCEY: *Confessions of an Opium Eater and other essays* (Macmillan.)

KINGLAKE: *Eothon*

BALFOUR: *Passages in his Non-Political Speeches* (Longmans).

NEWMAN: *Literary Selections* (Longmans).

Honours Course.

In addition to the papers of the Ordinary Course there will be a special paper of three hours.

One of the following groups of books in addition to those prescribed for the Ordinary Course will form the subject of the examination.

1. SIDNEY LEE: *Shakespeare*.

RALEIGH: *Shakespeare (English Men of Letters Series)*.

or

2. RALEIGH: *Milton*,

PATTISON: *Milton (English Men of Letters Series)*.

ADDISON: *Paradise Lost*

MACAULAY: *Milton*.

or

3. SYMONDS: *Shelley*.

Shelley's Defence of Poetry and Browning's Essay on Shelley. (Heath & Co.)

BRANDES: Naturalism in England (with special reference to Byron, Shelley and Keats.)

or

4. COURTHOPE: Addison (English Men of Letters Series)
Johnson: Addison (Lives of Poets.)

LESLIE STEPHEN: Literature and Society in the Eighteenth Century.

FREDERIC HARRISON: Ruskin (English Men of Letters Series.)

Sanskrit.

ORDINARY COURSE.

There will be three papers, each of three hours' duration.

Paper I.—

(a) *Uttaracharita*.

(b) Selections from—

(1) The narrative portions of *Brahmanas*, *Aranyakas* and *Upanisads* (not exceeding 15 pages).

(2) *Kadambari*—Kathamukhaprakarana.

Paper II.—

(a) *Meghaduta*.

(b) *Vikramankacharita* (I and II).

(c) Vamana's *Kavyalamkara-Sutra*.

Paper III.—

(a) Grammar.

(b) Translation—from English into Sanskrit.

Questions on the History of Samskrit Kavya Literature shall be distributed over all the papers.

Sanskrit shall be written in the Devanagari script.

HONOURS COURSE.

In addition to the papers of Ordinary Course there will be a further paper of two hours' duration on Laghu Kaumudi, and also a *viva voce* test based on Gaudapadabhashya and Tarkabhasa.

Composition in a Modern Indian Language.

There will be one paper on composition in the Modern Indian Language of three hours' duration. It will consist of three essays only—one general and two based on the subject matter of the books recommended for study.

N. B.—The essays based on the books shall not demand a detailed knowledge of them. Alternative subjects shall be set for the essay at least to the extent of half the number.

The following books are recommended for general study as presenting models of composition and style.

(A) HINDI.

1. *Sundarasara* (Manoranjana Pustakamala) from VI सद्गुरु महिमा नेसनी ग्रन्थ p. 85 to p. 147 इतिश्री सुन्दरदस कृत कुङ्कुम काव्य का सार सम.प्र) Also Introduction containing life of the author.

2. *Behari Satsai* by Pandit Padmasinha Sharma (Gyanmandal Press, Benares).

3. *Mudra Rakshas* by Bharatendu Harish Chandra.

4. Lectures by Pandit Badri Narayan Choudhury and Pandit Govind Narayan Misra (Hindi Sahitya Sammelan).

(B) URDU.

1. *Ab-i-Hayat* by Moulvi Mohammad Husain Azad (Azad Book Depot, Lahore).

2. *Waqā-i-Sair-o-Siyahat Doctor Bernier* by Khalifa Mohammad Husain (Mohammedan College Book Depot, Aligarh).

3. *Darbar-i-Akbari* by Moulvi Mohammad Husain Azad (Azad Book Depot, Lahore). The following chapters only:—

	Pages.
Akbar	1-156
Bairam Khan Khankhanan	157-196
Mahesh Das Raja Birbar	295-310
Abulfaiz Faizi Fayyazi	359-384
Sheikh Abul Fazal	463-508
Raja Todar Mal	519-534
Raja Man Singh	535-566
Mirza Abdarrahiim Khankhanan	576-646

(C) BENGALI.

(1) *Prabhata-Chinta* by Kali Prasanna Ghosh.

(2) *Inan-o-Karma* by Gooroo Das Banerji.

(3) *Prachina-Sahitya* by Rabindranath Tagore.

(4) *Kapala-Kundala* by Bankim Chandra Chatterji.

(D) MARATHI.

चिपलूणकर-निबंधमात्रा

केलकर-सुभाषित आणि विनोद

भवे-महाराष्ट्र साहित्य

आगकर-विविधलेखसंग्रह

(E) GUJARATI.

(1) *Apano Dharma* by A. B. Dhruva.

(2) *Uttara Rama Charita* by Manilal N. Dhruva.

(3) *Sathina Sahityanu Digdarshana* by D. P. Derasari.

(4) *Melani Mudra*, by K. H. Dhruva.

(F) TAMIL.

(i) *Periyapurana Vacanam*, by Mr. Arumuganavalar, *Lives of Saints Tirunavukkarasunayanar; Perumiyhalai Kurumba Nayanar. Karikhalammayar, Appoothiadikal Nayanar, Tirunaelakka Nayanar, Naminandiadikal Nayanar Tirugnana Sambanda Moorthy Nayanar*, pp. 92.

(ii) *Battar Vaibhavam*, by the late Mr. V. M. Sadagopa Ramanujachariar.

(iii) *Padmini*, by Mr. V. Muthuswami Iyer, M.A., L.T.

(iv) *Manimekalai* in prose, by Mr. V. Swaminatha Iyer.

(G) TELUGU.

Andhra Dasakumaracharitra, by V. Venkataroya Sastri.

Ananda Mutt, by Dorasamiawth (V. Ramaswami Sastri and Sons).

Kavithathva Vicharamu, by C. R. Reddi, M. A.

Arabic and Persian.

ORDINARY COURSE.

There will be three papers, each of three hours' duration (i) on the text-book, grammar, rhetoric and prosody, (ii) unseen translation from prose and verse, and (iii) translation from prose into the classical language.

The following text-books are prescribed.

(I) ARABIC.

ORDINARY COURSE,

Al-Fakhri.

Maqamat of Badi'l.

Saba Mu'allaqat.

Diwan of Hamasa (first Bab only).

HONOURS COURSE.

In addition to the papers of the Ordinary Course there will be a special paper of three hours.

Maqamat of Hariri (first half).

Nafhat-ul-Yaman.

Timurnama.

Saba Mu'allaqat.

Quran (first three siparas).

(2) PERSIAN.

ORDINARY COURSE.

Siyasatnama.

Diwan of Hafiz (from radif of ج to the end).

Diwan of 'Andalib.

Naldaman of Faizi.

Recommended for rapid reading.—

Safarnama of Ibrahim Beg.

HONOURS COURSE.

In addition to the papers of the Ordinary Course there will be a special paper of three hours.

Diwan of Quaani.

Diwan of Shaibani.

Kulliyat of Sa'di.

Sikandarnama of Nizami.

Shahnama of Firdausi (first half).

A Modern European Language.

(Courses not prescribed).

Philosophy.

N. B.—The books recommended for study are not meant to be used as prescribed text-books, but as indicating the

general scope of studies in the subjects to which they relate. In Indian Philosophy however, the questions should be confined, as far as possible, to the books recommended.

ORDINARY COURSE.

There will be three papers, each of three hours' duration.

Paper I.—Psychology:—

Books recommended for study:—

(1) STOUT: *Groundwork of Psychology* (*Fifth Impression.*)

(2) ANGELL: *Psychology* (*Fourth Edition.*)

N. B.—Students will be required to show acquaintance with the Physiology of the Nervous system and of the Sense Organs, so far as necessary in connexion with the study of Psychology. Books suggested for study:—Huxley: *Elementary lessons in Physiology*—latest edition (*Nervous System and Sense Organs*): Mc Dougall: *Physiological Psychology*

Books that may be consulted:—

LECKLEY: *Nervous System*;

GREENWOOD: *Physiology of the Senses*;

SULLY: *Outlines of Psychology* (new impression);

STOUT: *Manual of Psychology*;

JAMES: *Text-book of Psychology*;

KULPE: *Outlines of Psychology*;

LADD: *Psychology—Descriptive and Explanatory.*

Paper II.—Ethics.

Recommended text-book:—

A. C. Mitra's *Elements of Morals* (Omitting Chapter IX: 17-26, Chapter X: 13-14, Chapter XI: 2-9 and Chapter XII: 2-13).

Books that may be consulted:—

MUIRHEAD: *Elements of Ethics*;

MACKENZIE: Manual of Ethics;

HYSLOP: Elements of Ethics;

SETH: Ethical Principles;

PAULSEN: System of Ethics;

MILL: Utilitarianism;

SPENCER: Data of Ethics;

SORLEY: Recent Tendencies in Ethics;

ROGER: Short History of Ethics.

Paper III.—General Philosophy—European and Indian,

(1) Kulpe's Introduction to Philosophy.

(2) *Sankhya-Karika* with Gaudapada's commentary.

N. B.—In this paper 50 percent of the total marks shall be assigned to Indian Philosophy. Students will be required to show a general acquaintance with the outlines of philosophic thought, both European and Indian, for which the following books are suggested for study:—

ROGER: History of Philosophy;

CUSHMAN: Beginners' History of Philosophy—Ancient and Modern;

SRINIVASA IYENGAR: Outlines of Hindu Philosophy.

Books that may be consulted:—

SCHWEGGLER: History of Philosophy;

WEBER: History of Philosophy;

PAULSEN: Introduction to Philosophy;

CALKIN: Persistent Problems of Philosophy;

MAX MULLER: Six Systems of Indian Philosophy;

GARBE: Outlines of Indian Philosophy;

Sankhya-tattva Kaumudi.

HONOURS COURSE.

Besides the papers mentioned above, candidates offering the Honours course will have to take up an advanced course in Logic, on which one paper of three hours' duration will be set, and in this paper 33 percent of the total marks shall be assigned to Indian Logic.

Books recommended for study:—

- (1) BAIN: Logic—Deductive and Inductive
- (2) WELTON: Manual of Logic—Deductive (omitting Books IV—Chapters III-VI) and Inductive.
- (3) CRIEUGHTON: Introductory Logic (Part III only).
- (4) *Tarkabhasha* of Keshava Misra.

Books that may be consulted:—

MILL: System of Logic;

JEVONS: Principles of Science;

PEARSON: Grammar of Science;

GIBSON: Problem of Logic;

BOSANQUET: Essentials of Logic;

JOSEPH: Introduction to Logic;

B. N. SEAL: Positive Science of the Hindus (Chapter VII.)

Gautama Sutras with *Vishwanath Vritti*:

Padartha-Sara of Kesava Misra (Panini Office, Allahabad.)

Mathematics.

ORDINARY COURSE.

There will be THREE papers each of 3 hours' duration.

The *first* paper will be on Analytical Geometry, the *second* on Algebra and Differential Calculus and the

third on Trigonometry and Integral Calculus.

FIRST PAPER.

Analytical Geometry.—Straight line. Circle. Parabola. Ellipse. Hyperbola. General equation of the second degree, treated by means of rectangular, oblique and polar co-ordinates.

SECOND PAPER.

Algebra.—Convergence and divergence of Series. Simple continued fractions. Partial fractions. Easy Inequalities. Determinants. Elimination.

Differential Calculus.—Differentiation. Successive differentiation. Development of functions. Indeterminate forms. Partial differential co-efficients. Maxima and minima for a single variable. Tangents and normals to curves. Asymptotes. Multiple points on curves. Envelopes. Convexity. Concavity. Points of inflexion. Radius of Curvature. Evolutes. Curve tracing.

THIRD PAPER.

Trigonometry.—Inverse trigonometrical functions. De Moivre's theorem. Summation of trigonometrical series. Hyperbolic functions. Expansion of trigonometrical functions.

Integral Calculus.—General methods of integration. Standard forms. Integration by parts. Formulæ of reduction. Rectification of plane curves. Quadrature Surfaces and volumes of solids of revolution.

Honours Course.

This will consist of the Ordinary B.A. Course plus the third paper of the B. Sc.

Political Economy and Political Philosophy.

There will be three papers as noted below each of three hours' duration. A fourth paper of three hours will be added for the Honours course.

ORDINARY COURSE.

PAPER I.—General Economic principles with their applications to Indian conditions.

Books Recommended:—

MARSHALL: Economics of Industry.

GIDE: Political Economy (Archbold's Translation.)

MORRISON: The Economic Transition in India.

PAPER II.—Banking, Currency and Finance to be studied in greater detail with special reference to Indian conditions.

Books Recommended:—

WITHERS: Meaning of Money.

ARMITAGE SMITH: The Principles and Methods of Taxation.

ALSTON: Elements of Indian Taxation.

KEYNES: Indian Currency and Finance.

(Omitting 6th and 8th Chapters.)

Paper III—Political Science.

LEACOCK: Elements of Political Science.

HOGAN: Government of United Kingdom.

Montague Chelmsford Report (first seven chapters only).

HONOURS COURSE.

Paper IV—Indian Trade Review and the Financial statement for the two years immediately preceding that in which the examination is held.

CUNNINGHAM: Western Civilisation in its Economic Aspects. Vol II. Modern Times.

TAUSSIG: Some Aspects of the Tariff Problem.

LEES SMITH: India and the Tariff Problem.

For further consultation.—

Chamberlain's Commission Report on Indian Currency.

The latest Decennial Moral and Material Progress Report.

History.

There will be three papers, each of three hours' duration. A fourth paper of three hours will be added for the Honours Course.

ORDINARY COURSE.

Paper I—(Europe from 1453, with special reference to the 19th Century).

A. J. GRANT: History of Europe new ed. Part III only.

SEIGNOBOS: Contemporary Civilisation.

LIPSON: Europe in the 19th Century.

Paper II—Either A (Ancient India).

V. A. SMITH: Early History of India.

V. A. SMITH: Asoka (Rulers of India series).

REHYS DAVIDS: Buddhist India (Story of Nations series).

or B,—(Mediæval India).

LANE-POOLE: Mediæval India under Muhammadan Rule.

„ Mediæval India from contemporary sources.
(Cooper & Co.)

V. A. SMITH: Akbar the Great Mughal.

RANADE: Rise of the Maratha Power, Vol. I.

or C.—(British India).

LYALL: Rise and Expansion of the British Dominion.

INNES: Short History of the British in India under early British Rule.

R. C. DUTT: Economic History of India under early British Rule.

R. C. DUTT: Economic History of India in the Victorian Age.

Paper III—(Economics and Political Science).

ELY AND WICKER: Elementary Principles of Economics; revised and adapted for English students by L.L. Price (Macmillan).

LEACOCK: Elements of Political Science.

[The student is recommended to consult Seeley's *Introd. to Political Science* also].

HONOURS COURSE.

Either A (History of England from 1485).

J. R. GREEN: Short History of the English people, new edition by Mrs. Green.

TOWNSHEND WARNER: Landmarks of Industrial History.

MONTAGUE: Elements of English Constitutional History.

or B.—(India under the Crown; Political, Social, Religious and Cultural Developments).

The Montague Chelmsford Report on Indian Constitutional Reforms.

M. G. RANADE: Social and Religious Reform.

PROFESSOR SISSON: The Renaissance in India.

Cambridge Modern History Vol. XII.

R. C. DUTT: India in the Victorian Age.

B. Sc. Examination.

English.

There will be a paper on general composition of three hours, and another on special composition, of the same duration, bearing on books prescribed for general study, some of which will treat of Scientific subjects. There will also be a *viva voce* examination.

Non-detailed study—As in the B.A., but for Newman's Literary Selections and De Quincey's Confessions of an Opium Eater there will be substituted.

R. A. GREGORY: Discovery and the Spirit of Science.

SIR OLIVER LODGE: Pioneers of Science.

Mathematics.

There will be three papers, each of three hours' duration. The first paper will be on Algebra, Trigonometry and Analytical Geometry. The second paper will be on Differential and Integral Calculus. The third will include Statics, Kinetics of a particle and Hydrostatics.

FIRST PAPER.

Algebra.—Convergency and divergence of Series. Simple continued fractions, partial fractions, easy inequalities, Determinants, Elimination.

Trigonometry.—Inverse trigonometrical functions, De Moivre's theorem, Summation of trigonometrical series, Hyperbolic functions, Expansion of trigonometrical functions.

Analytical Geometry.—The straight line, circle, parabola, ellipse, hyperbola, and the general equation of the second degree, treated by means of rectangular, oblique and polar co-ordinates.

SECOND PAPER.

Differential Calculus.—Differentiation, successive Differentiation, development of functions, indeterminate forms, partial differential co-efficients, maxima and minima for a single variable, tangents and normals to curves, asymptotes, multiple points on curves, envelopes, convexity, concavity, points of inflexion, radius of curvature, evolutes, curve tracing.

Integral Calculus.—General methods of integration, standard forms, integration by parts, formulæ of reduction, rectification of plane curves, quadrature, surfaces and volumes of solids of revolution.

THIRD PAPER.

Statics.—General conditions of equilibrium of a particle and of a rigid body under the action of forces in one plane, the principle of virtual work; simple machines; friction; centres of gravity; common catenary; Hook's Law.

Kinetics of a Particle.—Velocity and acceleration; Newton's Laws of Motion; Work and Energy; Rectilinear Motion; Projectiles in vacuum; Circular and Harmonic Motion, Simple and Cycloidal Pendulum; Impact.

Hydrostatics.—Fluid pressure, pressure on immersed surfaces, conditions of equilibrium of a floating body, specific gravity, properties of gases, machines depending upon fluid pressure.

Books recommended:—

1. Hall and Knight: Higher Algebra.
2. Loney: Trigonometry, Part II.
3. C. Smith: Analytical Conics.
4. Ganesh Prasad: Differential Calculus.
5. Edwards: Differential Calculus for beginners.
6. Ganesh Prasad: Integral Calculus.
7. Loney: Treatise on Elementary Dynamics.
8. First three chapters of Williamson and Tarleton's Dynamics.
9. Routh or Minchin's Statics, Part I.
10. Besant's Elementary Hydrostatics.

Chemistry.

There will be two papers, each of three hours' duration, and two days practical examination.

INORGANIC CHEMISTRY.

The occurrence, preparation and properties of the elements and their more important compounds, excluding the rare elements, but including the following:—

Lithium, Platinum, Argon, Helium, Selenium, Tellurium, Molybdenum, Thallium, Titanium and Tungsten.

Radium and its more important properties.

ORGANIC CHEMISTRY.

General principles of Organic Chemistry, including qualitative and quantitative analysis.

Occurrence, preparation, general properties and constitutional formula of the following:—

Paraffin, its haloid derivatives, alcohols, ethers, aldehydes, ketones, fatty acids, the acid chlorides, anhydrides and amides, the esters, soaps, fats and saponification, hydrolysis.

Amines, cyanogen, hydrocyanic acid, nitriles and carbamines, potassium cyanide, ferro and ferricyanides, nitroparaffins.

Zinc ethyl and magnesium ethyl-iodide.

The olefines and acetylenes.

Ethylene, glycol, glycerine, nitro-glycerine, carbohydrates, glucose, cane sugar, starch and cellulose, inversion of cane sugar—optical activity.

Lactic acid and the stereoisomerism of the Lactic acids.

Aceto-acetic ester and its synthetic uses, carbonic acid, carbonyl chloride and urea.

Oxalic acid and the synthetic uses of the malonic ester.

Tartaric acid and the stereoisomerism of tartaric acids and of unsaturated dibasic acids.

Aromatic hydrocarbons, Kekule's theory, Armstrong's formula, orientation. Nucleus and side chain compounds. Benzene, toluene, common haloid derivatives of benzene, and toluene, Nitro and dinitro benzene.

Amino compounds—aniline and benzylamine. Diazo reaction diazo—benzene chloride. Azo and hydrozo benzene. Benzene sulphonic acids. Phenol, benzyl alcohol. Benzaldehyde. Acetophenone. Benzophenone. Benzoic acid. Benzoic anhydride. Benzamide. Benzoyl chloride and benzöic esthers.

Elementary discussion concerning Naphthalene and Anthracene.

PHYSICAL CHEMISTRY.

Atomic and molecular hypothesis.

Kinetic theory of gases and Van Der Waal's equation.

The periodic classification of elements. Electrolysis.

The theory of electrolytic dissociation. Gaseous dissociation.

Spectrum analysis. Elementary ideas of the different crystallographic systems. Osmotic pressure and theory of dilute solutions. The determination of the atomic and molecular weights. Boiling and freezing point methods. Theories of mass action, of catalysis, of indicators. Phase rule. Thermochemistry. Elementary ideas about Radio activity. Avidity of acids and bases. Relation between the chemical properties and the physical constants.

PRACTICAL CHEMISTRY.

1. Qualitative analysis of a mixture containing not more than four radicals (organic acids and bases excluded, except acetic oxalic and tartaric. Platinum and gold also excluded).
2. Volumetric analysis.—Alkalimetry. Estimation of iron by potassium permanganate, and by potassium bichromate. Oxalic acid by permanganate. Iodine by thiosulphate.
3. Gravimetric analysis. Analysis of a silver coin and estimation of iron, barium, aluminium, zinc, magnesium and calcium in their simple salts. Estimation of chlorides and sulphates.
4. Detection of carbon, hydrogen, nitrogen, sulphur, and chlorine in organic compounds. Determination of boiling and melting points. Fractional distillation. Distillation in steam.
5. Preparation of the following:—
Ethyl ether, ethyl iodide, acetaldehyde, acetone, acetamide, benzene, nitro-benzene, dinitro-benzene, chloroform,

iodoform, formic acid. diazo-benzene chloride, azo-benzene, aniline, phenol.

7. Preparation of any one of the following—one or two samples to be submitted at the end of two years to the examiner at the time of the practical examination. As far as possible, substances obtainable in India should be employed in this work. The candidates to find out their own information from books.

A sample of soap,

A sample of candle,

A sample of pure oil from crude oil,

A sample of one or two dye stuffs,

A sample of glass,

A sample of laboratory glass blowing, or

Any other similar product of every-day use.

Attention is directed to the importance of candidates keeping complete records of their practical work. When presenting themselves for the examination they are required to submit their note-books containing records of their practical work performed during the two last years' training for inspection, by the examiner, who will take them into account in deciding the examination. Candidates are expected to be able to use logarithms in their calculations. During the practical examination candidates are at liberty to consult any books of reference which they choose.

Books recommended:—

Theoretical:

NEWTN: Inorganic Chemistry.

MELLOR: Modern Inorganic Chemistry.

ALEXANDER SMITH: General Inorganic Chemistry.

WALKER: Introduction to Physical Chemistry.

CAVEN AND LANDER: Systematic Inorganic Chemistry.

VAN DEVENTER: Physical Chemistry for Beginners.

COHEN: Theoretical Organic Chemistry.

PERKIN AND KIPPING: Organic Chemistry.

Practical:

VELENTINE AND HODKINGSON: Practical Chemistry.

CLOWES: Qualitative Analysis.

CLOWES AND COLEMAN: Quantitative Analysis.

NEWTN: Qualitative and Quantitative Analysis.

COHEN: Practical Organic Chemistry.

Physics.

The examination in Physics shall consist of two papers each of three hours' duration,

1st paper:—General properties of Matter, Sound and Heat.

2nd paper:—Light, Electricity and Magnetism,

There will also be a Practical Examination in Physics,

The following syllabus is prescribed:—

GENERAL PROPERTIES OF MATTER.

Matter, Mass, Energy. Units and Dimensions. Use of Dimensional Equations. Newton's Laws of Motion. Atwood's Machine. Kepler's Laws. Laws of Universal Gravitation. Cavendish Experiment. Boy's Experiment. Elementary Problems on Attraction, *e. g.* attraction of a Sphere and Spherical Shell at internal and external points. Attraction of a Disc. Gauss' Theorem. Definition of Potential and its determination in simple cases. Equipotential Surface and Lines of Force, and

elementary propositions connected therewith. Definition of Elasticity. Hooke's Law. Young's Modulus. Modulus of Rigidity. Bulk Modulus. Definitions of Moments of Inertia and Radius of Gyration, Calculation of Moments of Inertia in simple cases, *e. g.* thin rod, ring, rectangular and circular plates, cylinders, solid and hollow spheres, right cone.

Balance.

Boyle's Law. Air-pump.

Simple Harmonic Motion. Vibration of Simple Pendulum. Kater's Pendulum.

Cohesion of Liquids. Surface Tension and Viscosity, and their determinations.

SOUND.

Production and Propagation of Sound. Determination of Velocity of Sound and its connection with the Elasticity and Density of the medium. Doppler's Principle. Reflection, Refraction and Interference of Sound. Beats. Stationary and Progressive Undulations. Methods of determining Frequency and Wave-lengths of Notes. Vibration of Strings and Columns of Air. The application of Fourier's Theorem to the analysis of complex sounds. Experimental methods of analysing complex sound. Lissajous' Figures. Structure of the Ear. Consonance and Dissonance. Application of the equation:—

$$y = a \cos \frac{2\pi}{h} (vt - x)$$

to simple problems in Interference.

HEAT.

Thermometry. Co-efficients of Expansion and their variation with Temperature. Unit of Heat and Calorimetry.

Specific Heat. Change of State and Latent Heats. Vapour-pressures and their determination. Hygrometry. Radiant Heat. Its Reflection, Refraction, Absorption and Emission. Prevost's Theory of Exchanges. Conductivity. Determination of coefficients of conductivity. Indicator Diagrams. Carnot's Heat Engine. First and Second Laws of Thermodynamics, Four Thermodynamical Relations and their simple applications. Absolute Scale of Temperature. Determination of Mechanical Equivalent of Heat. Kinetic Theory of Gases. Van Der Waal's Equation.

LIGHT.

Propagation of Light. Determination of Velocity of Light. Reflection and Refraction. Mirrors and Lenses. Dispersion and Spectrum Analysis. Spherical and Chromatic Aberration. Achromatic Lenses. Telescopes and Microscopes. Ramsden's and Huyghen's Eye-pieces. Elementary knowledge of the structure of the eye and defects of vision. Binocular vision. Undulatory Theory of Light. Rectilinear Propagation of Light. Deduction of the Laws of Reflection and Refraction. Interference of Light. Newton's Rings and Colours of thin plates. Diffraction. Double Refraction in Uniaxal Crystals. Quarter-wave Plate. Plane, Circularly and Elliptically Polarised Light. Interference of Polarised Light. Rotation of Plane of Polarisation. Bi-quartz. Simple Polarimeter.

MAGNETISM.

Lines of Magnetic Force. Magnetic Potential. Action of one magnet on another, broadside or endways. Determination of Magnetic Moments. Horizontal component of Earth's Magnetic Force and the Dip. Magnetic Induction. Co-efficients of Magnetisation and Induction. Permeability. Hysterisis. Diamagnetism.

ELECTRICITY.

Proof of the Law of Electric Repulsion. Induction. Specific Inductive Capacity. Thomson's Quadrant and Absolute Electrometers. Calculation of Potential, Capacity and Energy in simple cases. Frictional and Influence Machines.

The Electric Current. Galvanometer, Determination of Resistance. Ohm's Law. Joule's Law. Determination of E.M.F. and Internal Resistance of Batteries. Conjugate system of conductors. Electrolysis and Electrochemical Equivalents. Thermo-electric currents. Peltier and Thomson Effects. Electromagnetism. Electromagnetic Induction. Co-efficients of Mutual and Self Induction. Ruhmkorff's Coil. Elementary Theory of Simple Dynamos, Motors and Transformers. Electrical measuring instruments, *e. g.* Ammeter, Voltmeter. Oscillations during discharge of a Leyden Jar and their relation to Hertzian Waves. A non-mathematical account of the Electromagnetic Theory of Light. Discharge of Electricity through Gases. Cathode Rays and X-Rays. Elements of Radio-activity.

The following books are suggested:—

WAGSTAFF: Properties of Matter.

CAPSTIK: Sound.

POYNTING AND THOMSON: Heat.

EDSER: Light.

WHETHAM: Experimental Electricity.

WATSON: Text-book of Physics.

POYNTING AND THOMSON: Sound.

For the Practical Examination the subjoined list of experiments indicates the ground to be covered:—

1. Balance. Mass and Densities.
2. Comparison of Lengths by the Travelling Microscope.
3. Determination of Co-efficient of Friction between a Rope and Pulley.
4. Determination of Young's modulus of a wire.
5. Determination of Young's modulus of a bar.

6. Modulus of Torsion.
7. Moment of Inertia of a Fly-wheel.
8. Wheel and Ball on inclined plane.
9. Determination of "g" by simple pendulum.
10. Fortin's Barometer. Boyle's Law.
11. Determination of Height by Aneroid Barometer.
12. Determination of Surface Tension.
13. Velocity of Sound by Resonance.
14. Determination of Pitch by Sonometer.
15. Determination of time by observation of altitude of Sun with a Sextant.
16. Determination of refractive Index by the Microscope.
17. Focal Lengths of Mirrors and Lenses.
18. Magnifying Power of Telescopes and Microscopes.
19. The Spectrometer.
20. Photometry,
21. Determination of Wave-length by Plane Diffraction Grating.
22. Effect of Stem Exposure on Thermometer Readings.
23. Co-efficient of Linear Expansion.
24. Weight Thermometer.
25. Constant Volume Air Thermometer.
26. Constant Pressure Air Thermometer.
27. Calorimetry.
28. Law of Cooling.
29. Dew-point and Humidity.
30. Magnetic Moments and Neutral Points.
31. Determination of "H."
32. Determination of Dip.
33. Magnetic Field due to a straight current.
34. Variation of strength of magnetic field due to a circular coil with the distance along the axis.
35. Comparison of E. M. F.'s by a Tangent Galvanometer.
36. Potentiometer.
37. Resistance of Accumulators.
38. Post-Office Box. Resistance of Coil, Galvanometer and Battery.

39. Electro-chemical Equivalent of Copper.

40. Electrical Determination of "J."

The book recommended for practical work:—

ALLEN AND MOORE:—Text-book of Practical Physics.

An account of each experiment must be written in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator and the books should be kept in his charge.

Botany.

There will be two papers as noted below, each of three hours' duration. There will also be a practical test.

1. *Histology*.—The detailed structure of plant cell. Primary and secondary tissue; their origin and distribution.,

2. *Organography*.—The morphological differentiation of the plant body in the main groups of the vegetable kingdom. The morphology of the root and shoot in the Pteridophyta and Spermaphyta. The phenomena of alternation of generation and the homologies in the stages of the life history of the archegoniates and the spermaphyta.

3. *Systematic*.—The systematic morphology and physiology of:—

FIRST PAPER.

A. *Thallophyta*:—

(i) *Algæ*:—Pleurococcus; Spirogyra; Oedogonium; Vaucheria; Fucus. Chlamydomonas, Volvox and Ulothrix.

(ii) *Fungi*:—

(a) *Phycomycetes*:—Pythium or any other Oomycete; mucor or any other zygomycetes.

(b) Ascomycetes :—Eurotium, Paziza.

(c) Basidiomycetes :—Puccinia; Agaricus.

B. Bryophyta :—

(i) Hepaticæ :—Marchantia.

(ii) Musci :—A Funaria or any other moss.

C. Pteridophyta :—

(i) Lycopodiales :—Selaginella.

(ii) Filicales :—Aspidium or any other fern; marsilia.

D. Gymnosperma-cycas-Pinus.

SECOND PAPER.

D. Spermaphyta :—

::Gymnosperma —Cycas; Pinus.

Angiosperma :—Liliacæ. Palmacæ, Gramineæ, Ranunculacæ, Papaveracæ, Cruciferæ, Malvacæ, Rutacæ, Meliacæ, Rhamnæ. Anacardiaceæ, Leguminosæ, Cucurbitacæ, Cactæ, Umbelliferæ, Compositæ, Solanacæ, Labiatæ. Euphorbiacæ, Orchidacæ, Ficoideæ, Amarantacæ, Chenopodiaceæ, Salicacæ, Moracæ and Magnoliacæ.

The characteristics of the above families to be illustrated by examples from the flora of the United Provinces.

Physiology—Turgidity and tension of tissues. The distribution of mechanical tissue. The physiology of Nutrition, Respiration, Growth, and Reproduction. The phenomena of movement. An elementary knowledge of plant ecology. Evolution, Variation and Heredity.

PRACTICAL WORK.

The candidates shall be required to (a) examine and describe microscopic specimens, (b) to prepare and stain microscopic sections of plants and plant tissues, (c) to dissect and describe the plants and parts thereof, and (d) to refer

the plants to their respective position in the foregoing syllabus for classification.

They shall also be required to perform fundamental experiments in plant physiology.

N. B.—A record of all the practical work done in Laboratory must be produced at the time of practical examination.

The following books are suggested :—

SCOTT: Structural Botany, 2 Vols.

STRASBURGER : Text-book of Botany.

COULTER, BARNES AND COWLES : Text-book of Botany. (American Book Company, Chicago).

J. W. OLIVER : Systematic Botany.

F. COVERS : Practical Botany (University Tutorial Press).

W. C. STEVEN : Plant Anatomy.

STRASBURGER AND AILLHOUSE . Practical Botany (Sonnenschein).

D. H. SCOTT : Evolution of Plants

Zoology

There will be two papers as noted below, each of three hours' duration. There will also be a practical test.

FIRST PAPER.

The structure and phenomena of the animal-cell treated in some detail; Asexual and Sexual Reproduction; Heredity; Variation; and Evolution.

The general characteristics of animal tissues including blood, lymph, epithelia, together with the nervous and connective tissues.

The structure, habits, and development of the following groups, as illustrated by :—

Protozoa—Amœba, Paramœcium, Euglena and Monocystis.

Porifera—sycon.

Cœlentera—Hydra, Obelia, Aurelia, Alcyonium.

Platyhelminthes—Liver-Fluke, Tœnia.

Echinodermata—Asterias.

Annulata—Earthworm, Nereis and Leech.

Arthropoda—Prawn, Periplaneta, Anopheles (including an outline of the life-history of the malaria parasite). and Scorpion.

Mollusca—Unio, a Pond Snail, and Sepia.

SECOND PAPER.

The structure, habits and development of the following groups as illustrated by:—

Acrania.

Hemichordata—Balanoglossus.

Urochordata—Ciona or other Ascidian,

Cephalochordata—Amphioxus.

Craniata.

Pisces.—Scyllium or other Elasmobranch.

Amphibia.—The Frog.

Reptilia.—Calotes.

Aves.—Columba.

Mammalia.—Echidna, a Marsupial, Lepus.

The outlines of the developments of Amphioxus, frog, chick and rabbit; placentation.

Physiology.—The same as for the Intermediate, but a higher standard would be expected. Also an elementary knowledge of the structure and function of the nervous system and of the sense organs.

PRACTICAL WORK.

Candidates will be required to show a knowledge of microscopical work to examine, dissect, and describe the animals named in the foregoing syllabus.

Note-books containing a record of Laboratory work must be produced at the practical examination.

Books recommended :—

PARKER AND HASWELL; Text-book of Zoology, 2 Vols. (Macmillan).

Thomson's Outlines of Zoology (Pentland).

Marshall and Hursts' Practical Zoology. (Smith Elder).

Wiedersheim's Comparative Anatomy of Vertebrates.

Lock's Recent Progress in Heredity, Variation and Evolution.

Kingley: Comparative Anatomy of Animals

G. Bourne: Comparative Anatomy of Animals.

Mineralogy.

(Course to be prescribed later.)

Geology.

There will be two papers, each of three hours' duration.

There will also be a practical examination.

Paper I—Advanced Physiography. Dynamical Geology, Structural Geology, Physical Geography of India, Topographic Surveying,

Paper II—Mineralogy (including Crystallography), Petrology, Palæontological and historical Geology, Economic Geology, Geology of India.

Practical Examination—Recognition of common crystal forms and naming their faces.

Determination of common and rock-forming minerals by sight and with the aid of such instruments as the lens, the balance, and the blowpipe.

Recognition of the most common rock-forming minerals and rocks under the microscope.

Recognition of the common rocks in hand specimens with the aid of the lens.

Recognition of the common fossils.

Interpretation and construction of geological maps and sections.

(1) ADVANCED PHYSIOGRAPHY.

The Land. Materials of the Earth's crust. Earth. Earth-movements. Shore lines. Deltas and estuaries. Earth sculpture. Mountains. Plains and plateaus. Rivers. Development of river-systems. Underground water. Snow and Ice. Glaciers. Wind. Influence of climate upon topographical features. Volcanoes. Lakes. The Earth's Interior. Terrestrial Magnetism.

The Ocean. The salinity and temperature of the oceans. Waves and tides. Currents. Deposits on the ocean floor. Coral reefs and islands.

The Atmosphere. The atmospheric pressure and its influence on wind and weather, distribution of pressure and circulation of the atmosphere. The horizontal and vertical distributions of temperature. Humidity. Precipitation. General Meteorology. Meteorology of India. The climates and weather of India.

Text-book:—

R. S. TARR AND MARTIN: College Physiography—(omitting portions referring specially to America and a few others.)

(2) PHYSICAL GEOGRAPHY OF INDIA.

Extreme variety of physical aspects in India. India in ancient geological times. India in historical times. The Indian borderlands—Baluchistan. Afghanistan, Kashmir, the Himalayas, the Sivaliks, Burma.

The Indo-Gangetic depression. The Ganges and the Jumna. Assam. The Brahmaputra, The Indus and the Indus Plain. The rivers and the plains of the Punjab. Rajputana. The Vindhya water-parting. Central India. The Central Provinces. The Nerbada. Southern India. The Western Coast. The Western Ghats. The Nilgiris. The Eastern Ghats. The Deccan. The Godavari. The Kistna. The Cauvery. The extreme South. Travancore. Ceylon.

Text-book:—

The Imperial Gazetteer of India—Vol. I, Chapter I.

(3) MINERALOGY.

Physical Mineralogy. Characters of Minerals depending upon Colour, Cohesion, Elasticity, Specific Gravity, Heat, Electricity, Magnetism, Taste and Odour. The practical study of about 150 most common and rock-forming minerals in hand specimens.

Characters of minerals depending upon Light. The Principles involved in the identification of minerals by their geometrical and optical properties; the applications of these principles to the use of the petrological microscope. The practical study of about 20 most common rock-forming minerals under the microscope.

Text-book:—

H. G. SMITH: Minerals and the Microscope.

(Supplemented by Class-Notes.)

Chemical Mineralogy, including Determinative Mineralogy.
 General Principles of Chemistry as applied to Minerals.
 Chemical examination of Minerals in the Wet Way and
 by means of the Blowpipe.

Determinative Mineralogy—Demonstrations and practical
 work on the characters and determination of the common
 ores of the useful and precious metals and of other
 minerals of commercial value.

Text-book:—

Class-Notes.

Reference-book:—

BRUSH AND PENFIELD: Determinative Mineralogy and Blow-
 pipe Analysis.

(4) PETROLOGY.

Rocks—their Classification. Igneous Rocks—their General
 Characters and chief Minerals. Derivative Rocks—Mechani-
 cally formed, Chemically formed and Organically formed.
 Metamorphic Rocks—Schistose and Cataclastic. The practi-
 cal study of about 100 most common rocks in hand specimens.

The use of the Petrological Microscope in the study of
 Rocks. Methods of preparing rocks for microscopic study.
 The practical study of about 20 most common rocks—plutonic
 hypabyssal, volcanic, sedimentary and metamorphic—under
 the microscope.

Text book:

J. GEIKIE: Structural and Field Geology. Chapters
 III, IV and V.

A. HARKER: Petrology for Students (5th Edition).

(5) PALEONTOLOGICAL GEOLOGY.

Fossils. Conditions for the entombment of Organic Remains
 on Land and in the Sea. Preservation of Organic

Remains in Mineral Masses. Relative Palæontological Value of Organic Remains. Uses of Fossils in Geology. Bearing of Palæontological Data upon Evolution. The practical study of a Representative Series of about 100 fossils.

Text-book :—

Class-Notes.

Ref. book :—

A. M. DAVIES: Introduction to Palæontology,

(6) GENERAL GEOLOGY—DYNAMICAL, STRUCTURAL
AND HISTORICAL.

The subjects treated under courses Nos. 5, 6 and 7 of the Intermediate Syllabus. treated more fully.

Text-book :—

CHAMBERLAIN AND SALISBURY : Geology—Shorter Course, (omitting portions referring specially to America and a few others).

(7) ECONOMIC GEOLOGY.

The applications of Geology to fuels, useful and precious metals, precious stones, water questions, building and roadmaking materials, and to questions of engineering and hygiene treated in an elementary manner.

Text-book :—

J. GEIKIE : "Structural and Field Geology", Chapters XXII and XXIII, supplemented by Class-Notes.

(8) GEOLOGY OF INDIA.

Peninsular and extra-peninsular India. The stable peninsula. The folded extra-peninsular area. Correlation of Indian strata with the European scale. Variable rate of evolution in isolated land areas. Classification of Indian strata. The Olenellus zone. Pre-Cambrian rocks. Fos-

siliferous deposits. Archaean group. Purana group. Dravidian group. Aryan group. Pro-Cambrian History of India. The great Eparchaeon break. The Dharwarian System. The Cuddapah and Kurnool Systems. The Vindhyan system.

Cambrian and Post-Cambrian History of India. The Dravidian Era. The Aryan Era. The Central Himalayan succession. Trespass of a former central ocean. The Salt Range. Products Limestones. The Gondwana system. The Talcher series. Existence of an old Indo-African continent, Igneous outbursts at the end of Mesozoic times. The Deccan trap. Recent volcanic action. Earthquakes, Recent rises and subsidences of the land. The Indo-Gangetic alluvium, Laterite.

Text-book :—

The Imperial Gazetteer of India—Vol. I, Chapter II.

(9) TOPOGRAPHIC SURVEYING.

Introductory. Sketch of the various methods of surveying, levelling and field-sketching. Scales of maps and their influence on surveying methods.

Instruments—Compasses, clinometers, plane tables, tachometers, theodolites, cameras, levels, barometers, hypsometric thermometers, etc,

Route—surveys. Geographic determinations, especially azimuth and latitude.

Local topographic surveys—determining position on existing map and filling in detail in the vicinity.

Levelling and contouring—Tracing the probable run of outcrops of beds, veins, etc.

Setting out boundaries, roads, water-races, etc. Office-work—Reduction of results and plotting. A course of Field-work

corresponding to the above. The whole subject will be treated in an elementary manner.

Text-book :—

Class-Notes.

Ref.-book :—

G. W. USILL : Practical Surveying.

M. A. Examination, 1922.

Sanskrit

There will be five papers in the Previous Examination, each of three hours' duration; these will be compulsory for all candidates; while in the Final there will be eight groups of subjects on each of which four papers, each of three hours' duration, will be set and every candidate shall be required to offer only one of those groups.

Sanskrit shall be written in the Devanagari script.

PREVIOUS.

Paper I.—

- (a) Selections from the Four Vedas (not exceeding 50 pages).
- (b) Katha Upanisad with Shankara Bhasya.
- (c) Vedic Grammar : Siddhantakaumudi—Vaidiki Prakriya.

Paper II.—

Sarvasiddhantasangraha (Edited by Rangacharya).
Sankhya-Karika, with Tattvakaumudi.
Bhasaparichheda.

Paper III.—

Sisupalavadha—1 and 2.

Kiratarjuniya—1 and 2.

Madhya-Kaumudi.

Paper IV.—

Prakritakṣana.

Mrichchhakatika.

Sahityadarpana—Chapter 10.

Paper V.—

(a) Macdonnell's History of Samskrit Literature (75 marks).

(b) Buhler's Indian Paleography¹ (with Plates), or Gauri Shankar Ojha's Prachinalakṣhamala (25 marks).

FINAL.

(GROUP A.)

Vaidic Literature.

Paper I.—

(a) Selected portions of Vedic Samhitas:—

Yajurveda—Adh. 16.

Rigveda—Pavamana Sukta.

Atharva Veda—Chs. 1 and 2.

(b) Brahmana—Aitareya (last chapter).

(c) Upanisad—Taittiriya.

(d) Aranyaka—Aitareya.

Paper II.—

Sayana's Introduction to his Rigvedabhasya.
Charanavyuha.

Paper III.—

Macdonnell's Vedic Grammar for Students; Shaunaka's
or Katyayana's Pratishakhya.
Bhandarkar's Wilson Lectures

Paper IV.—

Composition.

GROUP B.

Vyakarana

Papers I and II.—

Siddhantakaumudi (omitting Svaraprakriya) or Asta-
dhyayi with Kashika.
Muir's Texts, Vol. II.

Paper III.—

Vaiyakaranabhusanasara.
Mahabhasya—Paspashahnika.

Paper IV.—

Composition.
Joyce—Principles of Comparative Philology.
Introduction to the Study of the History of Languages.

GROUP C.

Kavya-Sahitya.

Paper I,—

Valmiki—Sundarkanda.
Mahabharata. }
Shrimadbhagavata. } Selections (20 Chs. from each.)

Dharmasarmabhyudaya (1 and 2).

Sundarananda (1 to 6).

Buddhacharita (Cantos 2 to 5).

Naisadhacharita—Canto 1.

Sisupalavadha (11 and 12).

Paper II.—

Sakuntala.

Svapnavasavadatta.

Pratijnayaugandharayana.

Prabodhachandrodaya.

Venisamhara.

Dasarupaka.

Natyasastra (selected chapters

Paper III.—

Kavyaprakasa.

Paper IV.—

Composition.

GROUP D.

Dharmasastra.

Paper I.—

Manu.

Yajnavalkya, with Mitaksara on Vyavahara.

Apastamba—Dharmasūtra.

Paper II.—

Jimutavahana—Vyavaharamatrika and Dayabhaga

Viramitrodaya—Paribhasaprasāsa

Paper III.—

Jaiminiya-Nyayamalavistara, Adhs. (1 to 3).

Paper IV.—

Composition.

GROUP E.

*Mimamsa.***Paper I.—**

Sabara—I-III.

Tantravartika I.

Paper II.—

Subodhini (IV to XII).

Paper III.—

Prakaranapanchika.

Paper IV.—

Composition.

GROUP F.

*Nyaya—Vaisesika.***Paper I.—**

Vatsyayanabhasya.

Varttika—I.

Paper II.—

Nyayamanjari (Chapter on prameya only).

Kusumanjali—Karikas, with Haridasi.

Nyayabindu.

Six Buddhist Nyaya Tracts (Bengal Asiatic Society).

Pariksamukhasutra.

Paper III.—

(a) Vaisesika-sutras.

(b) Prasastapadabhasya.

(c) Nyayamuktavali.

Paper IV.—

Composition.

GROUP G.

Vedanta.

Paper I—

Sarirka Bhasya—I and II, i and ii.

Sri-Bhasya—I-i, 1 to 4.

Anu-Bhasya—I-i, 1 to 4.

Paper II—

Siddhantalessa.

Vivaranaprameyasamgraha I.

Panchadasi.

Paper III—

Purva Mimamsasutra, with Subodhini I.

Bhagavadgita.

Mandukya Upanisad, with Gaudapada-karikas.

Paper IV—

Composition.

GROUP H.

Epigraphy and Paleography.

Paper I—

Asoka, and Kusana Inscriptions.

Rapson's Ancient Indian Coins.

Paper II—

Gupta Inscriptions.

Paper III—

Cunningham's Geography, with later identifications.

Kalhana's Rajatarangini (Ch. 8, with Stein's Preface.

Ramacharitra (Memoirs: Asiatic Society of Bengal).

Paper IV—

Composition.

English.

There will be nine papers for the M. A. examination, each of three hours' duration, any four of which will be for the Previous and the other five for the Final. Two papers will be in poetry, one in texts from Chaucer to the end of the 18th century and the other in texts of the 19th and 20th centuries. There will be two corresponding papers in prose, and two in drama, one on at least four representative plays of Shakespeare and the other on other specimens of English Dramatic Literature. There will also be a paper on representative specimens of English Criticism, and two others, one in the History of English Literature and the other in Essay-writing, on an advanced literary subject. A knowledge of the History of English Literature will be demanded of the student, not only in the special paper on the subject, but also on all the papers on text-books, and the examination in Shakespeare will include a general acquaintance with Shakespearian Art and Criticism.

N. B.—Alternative questions will be set at least to the extent of half the number of questions in each paper.

1. Poetry—Part I.

Chaucer: Prologue.

Milton: Paradise Lost, Books I to IV.

Pope: Essay on Criticism.

Spencer: Faerie Queen, Book I.

2. Poetry—Part II.

Palgrave: Golden Treasury, Book IV (selections from Wordsworth, Byron, Shelley, Keats.)

Ward's English Poets Vol. V (selections from Tennyson, Browning, Morris, Swinburne, Meredith etc.)

3. Prose—Part I.

Bacon: Essays.

English Essays: Selected by Peacock. Bacon to Goldsmith (Oxford University Press).

Milton: *Areopagitica*.

Addison: *Selections from the Spectator* (Edited by Lobban—Cambridge University Press).

Goldsmith: *Vicar of Wakefield*

Austen: *Pride and Prejudice*.

4. Prose—Part II.

Hazlitt: *Selected Essays* edited by Sampson (Cambridge University Press).

Macaulay: *Essay on Milton*.

English Essays : Goldsmith to Stevenson edited by Peacock (Oxford University Press).

Ruskin: *Seven Lamps of Architecture*.

Thackeray: *Vanity Fair*.

Meredith: *Egoist*

5. Drama—Part I (Shakespeare).

Richard III.

As you like it.

Macbeth,

The Tempest.

Books recommended :—

Sir Sidney Lee: *Life of Shakespeare*.

Sir Walter Raleigh: *Shakespeare*.

Dowden: *Shakespeare's Mind and Art*.

Bradley: *Shakespearean Tragedy*.

Moulton: *Shakespeare as a Dramatic Artist*.

6. Drama—Part II.

Marlowe: *Tamburlaine*, Part I.

Sheridan: *The Rivals*.

Swinburne: *Atalanta in Calydon*.

Bernard Shaw: *Arms and the Man*.

Books recommended :—

Shelling: *English Drama* (Dent's Channels of English Literature).

Ward: *Dramatic Literature*.

7. Criticism.

Sidney: Apology for Poesie.

Addison: Criticism on Paradise Lost.

Wordsworth: Prefaces, (Heath & Co.)

Arnold: Essays on Criticism (Second Series).

Meredith: Essay on Comedy.

Books recommended:—

Saintsbury: History of English Criticism.

Hudson: Introduction to the Study of Literature.

Courthope: Life in Poetry and Law in Taste.

8. History of English Literature.

Books recommended:—

Saintsbury: History of English Literature.

Lang: History of English Literature.

For reference:

Ward: English Poets.

Craik: English Prose.

Morley: English Men of Letters Series.

Hudson: Introduction to the Study of Literature
(Harrap).

Cowl: Theory of Poetry in England (Macmillan)

Hepple: Lyrical Forms in English (Cambridge
University Press).

Courthope: History of English Poetry.

Chambers' Cyclopædia of English Literature.

Cambridge History of English Literature.

Oxford Book of English Verse.

Palgrave: Golden Treasury.

9. Essay.

Pali.

There will be four papers, each of three hours' duration, in Previous as well as in the Final. In the Final there will also be a *viva voce* examination.

PREVIOUS.

Paper I.—

Pali Grammar—Emulus.
 Selections from Mahavamsa.
 Selections from the Jatakas.

Paper II.—

Dhammapada.
 Pudgalapannati, with Commentary.

Paper III.—

Milindapanha.
 Dipavamsa.

Paper IV.—

Composition.

FINAL.

Paper I.—

Tharatherigatha, with Paramarthadipani by Dharmapala.

Paper II.—

Selections from Chullavagga and Mahavagga and
 Lalitavistara.

Paper III.—

Dighanikaya, Vol. I.
 Bodhicharyavatara, with commentary (Ch., 9 only.)

Paper IV.—

Kachchayana's Grammar.
 History of Buddhist Literature.

Arabic and Persian.

There will be three papers in the Previous examination and four in the Final examination, each of three hours' duration. In the *Previous examination*, there will be papers on (i) prose text-books, (ii) unseen prose and verse translation, and (iii) translation into the language; while in the *Final* there will be papers on (i) essay in the classical language on some literary subject, (ii) questions to be answered in English or Urdu or Hindi on the history of the language and the literature, (iii) on the verse text-books, and (iv) on the special selected subject.

(A) Arabic.

Maqamat of Hariri (whole.)

Diwan of Hamasa (whole.)

Diwan of Mutanabbi.

Travels of Ibn Batūta.

Farasdaq (first half.)

Recommended for study:—

Nicholson's *Literary History of the Arabs* (Fisher Unwin)
Special subject to be chosen from the following:—

- (i) Arabic History and Geography.
- (ii) Arabic Logic and Philosophy.
- (iii) The Quran and Quranic Exegesis.
- (iv) Modern Egyptian Arabic as exhibited in Green's *Grammar and Selections*. (Oxford Clarendon Press)
- (v) Semetic Philology with special reference to Wright's *Comparative Semetic Grammar* (Cambridge University Press.)

(B) Persian.

Waqā-i-of Ni'mat Khan.

Akhlāq-i-Jalālī.

Letters of Abul-Fazl.

Diwan of Saib.

Qasidas of Anwari.

Shahnama of Firdausi.

Tazkirat-us-Shu'ara of Daulat Shah.

Recommended for study :

Browne's Literary History of India (Fisher Unwin)

Shi'r-ul'-Ajam by Shibli. (Dar-ul-musannifin, Azamgarh)

Special subject to be chosen from the following :—

- (i) Old Persian Inscriptions as given in Tolman's book. (American Book Company.)
- (ii) Avesta Grammar and Selections from the Avesta, published by A. V. Williams Jackson.
- (iii) The differences between modern and classical Persian, as shown in Roger's Persian Plays, the *Vazir-i-Lankaran*, and Phillott's Modern Persian stories (Asiatic Society of Bengal).
- (iv) Persian Philology with special reference to Gray's Indo-iranian Philology. (Columbia University Press.)

Philosophy.

N. B.—The books recommended for study are not meant to be used as prescribed text books but as indicating the general scope of studies in the subjects to which they relate. In Indian Philosophy however, the questions should be confined as far as possible, to the books recommended.

PREVIOUS.

There will be three papers, each of three hours' duration.

Paper I.—History of European Philosophy—Ancient, Mediæval and Modern with special reference to Kants'

"Position in Philosophy" as presented in his *Critique of Pure Reason*.

Books recommended for study:—

- (1) ZELLER: Outlines of the History of Greek Philosophy.
- (2) TURNER: History of Philosophy (Mediæval Period).
- (3) FLACKENBERG: History of Modern Philosophy.
- (4) WATSON: Selections from Kant.

Books that may be consulted:—

ZELLER: Plato and Aristotle (Longmans);

ADAMSON: Developments of Greek Philosophy;

WEBER: History of Philosophy;

DE WULF: History of Mediæval Philosophy (English Translation);

WANDELBOND: History of Philosophy;

ADAMSON: Development of Modern Philosophy;

PERRY: Recent Philosophy;

WATSON: Philosophy of Kant Explained;

PAULSEN: Philosophy of Kant.

Paper II—Psychology.

Books recommended for study:—

- (1) JAMES: Principles of Psychology.
- (2) STOUT: Analytic Psychology.
- (3) WARD: Psychological Principles.

Books that may be consulted:—

KULPE: Outlines of Psychology;

BALDWIN: Hand-book of Psychology;

SULLY: Human Mind;

ANGELL: Chapters from Modern Psychology;

BALDWIN: History of Psychology;

DESSOIR: History of Psychology.

Paper III.—Outlines of Indian Philosophy.

Books recommended for study:—

(1) *Saddarshana-Samuchchaya* of Haribhadra.

(2) *Shariraka Bhasya*—Adhyaya II, Padas 1 and 2.

(3) *Vedantasara* of Sadananda with the Commentary *Subodhini*.

Books that may be consulted:—

Commentary of Gunaratna on *Saddarshana Samuchchaya*;

Sarvadarshana Sangraha;

Sarva Siddhanta Sangraha;

Max Muller: *Six Systems of Indian Philosophy*.

Iyenger: *Outlines of Hindu Philosophy*;

Deussen: *System of the Vedanta*.

FINAL.

There will be four papers in all, of which Paper I and Paper IV shall be compulsory. The candidate will have to choose, for the remaining two papers, a subject under Group A, or Group B, or C, or D. Each of the papers will be of three hours' duration.

There will also be a *viva voce* examination of a general nature.

(a) Paper I.—*General Philosophy*.

Books recommended for study:—

(1) MARVIN: *Introduction to Philosophy*.

(2) HOFFDING: *Problems of Philosophy*.

(3) SCHILLER: *Riddles of the Sphinx*.

(4) BERGSON: Introduction to Metaphysics.

(5) MC. DOUGALL: Mind and Body.

Books that may be consulted:—

SPENCER: First Principles;

BRADLEY: Appearance and Reality;

JAMES: Pluralistic Universe;

SCHILLER: Studies in Humanism;

STURT: Personal Idealism;

PAULSEN: Introduction to Philosophy.

Papers II. and III.

Group A.—Special study of any one of the following systems of Indian Philosophy:—

(a) *Nyaya and Vaisesika.*

First paper—Gautama Sūtras with Vishwanatha *Vritti*.

Second paper—Kanada Sūtras with *Upaskara* or *Prasatapa*.

Books that may be consulted:—

Vatsyayana Bhashya on the Gautama Sūtras;

Kanada Sūtras and *Vritti* of Jayanarayana;

Chandrakantiya Bhashya on Kanada Sūtras;

J. C. Chatterji: Hindu Realism.

B. N. Seal: Positive Science of the Hindus Chapter VII;

Nyaya-Kandali.

(b) *Sankhya-Yoga.*

First paper—Kapila Sūtras with Aniruddha *Vritti* and *Tattvakaumudi*.

Second paper—Patanjala Sūtras with Vyasa *Bhashya* and the *Vritti* called *Maniprabha*.

Books that may be consulted:—

Vijnanabhikshu on the Kapila Sutras and *Yogavartika*;

Tattwasamasa Sutras; *Srimad Bhagavatam* (portions bearing on the subjects here);

Yogavasistham;

Vachaspati Misra's *Vaisaradi* on the *Vyasa Bhasya*.

(c) *Vedanta*.

First paper—Panchadasi (the whole);

Brahma Sutras with Sankara Bhasya (Sutras 1-4).

Second paper.—Ramanuja Bhasya (the entire commentary under Sutras 1-4).

Books that may be consulted:—

Vedantaparibhasa;

Siddhantalessa;

Deussen: Philosophy of the Upanisads;

Vedartha Samgraha of Ramanuja;

Deussen: System of the Vedanta.

Group B —Psychology (Special).

First paper.—*Psychology, Physiological and Abnormal*.

Books recommended for study:—

(1) ZIEHEN: Introduction to Physiological Psychology.

(2) WUNDT: Principles of Physiological Psychology.
Vol. I (translated by E. B. Titchener).

(3) MERCIER: Psychology—Normal and Morbid.

(4) MYERS: Human Personality.

Books that may be consulted.

LADD: Physiological Psychology;

TITCHENER: Text-book of Psychology;

MAUDSBY: Abnormal Psychology;

SIDIS AND GOODHART: Multiple Personality;

JASTROW; The Sub-conscious;

Bianchi Psychiatry (English Translation).

N. B.—*Comparative Study of Western and Indian Psychology will be required.*

Second paper.—Psychology—Comparative, Social and Religious.

Books recommended for study:—

(1) LLOYD MORGAN: Comparative Psychology.

(2) HOBHOUSE: Mind in Evolution.

(3) MC DOUGALL: Introduction to Social Psychology.

(4) STARBUCH: Psychology of Religion.

Books that may be consulted—

WUNDT: Human and Animal Psychology;

ROMANES: Mental Evolution in Animals;

ROSS: Social Psychology;

BALDWIN: Mental Development—Social and Ethical Interpretation;

JAMES: Varieties of Religious Experience;

WATSON: Interpretation of Religious Experience; (Gifford Lectures).

Group C.—*Logic.*

First paper.—Logic—Formal and Symbolic.

Books recommended for study:—

(1) KEYNE: Formal Logic.

(2) HUGH MACCOLL: Symbolic Logic.

(3) SCHILLER: Formal Logic.

Books that may be consulted :—

DEWEY: Studies in Logical Theory;

SIDGWICK: Application of Logic;

JEVONS: Principles of Science, Book I;

VENN: Symbolic Logic.

Second paper.—Logic as Theory of Knowledge and Methodology.

Books recommended for study :—

(1) HOBHOUSE: Theory of Knowledge.

(2) LOTZE: Logic.

(3) VENN: Empirical Logic.

(4) ADAMSON: History of Logic.

Books that may be consulted :—

MILL: System of Logic;

JEVONS: Principles of Science;

SIGWART: Logic;

BRADLEY: Principles of Logic;

BOSANQUET: Logic or Morphology of Thought;

B. N. SEAL: Appendix to Dr. P. C. Roy's Hindu Chemistry, Vol. II.

N. B.—*Comparative study of Western and Indian Logic will be required.*

Group D.—*Ethics and Social Philosophy.*

First paper—Ethics.

Books recommended for study :—

(1) GREEN: Prolegomena to Ethics.

(2) WUNDT: Ethics.

(3) ALEXANDER: Moral Order and Progress.

(4) ROGER: Short History of Ethics.

Books that may be consulted:—

ARISTOTLE: Nichomachean Ethics;

ROYCE: Philosophy of Loyalty;

KANT: Theory of Ethics (Abbot);

STERRET: Ethics of Hegel;

MARTAINEAU: Types of Ethical Theory;

SIDGWICK: Methods of Ethics;

LESLIE STEPHEN: Science of Ethics;

WILLIAMS: Evolutional Ethics;

TAYLOR: Problem of Conduct;

SIDGWICK: History of Ethics.

Second paper.—*Social Philosophy.*

Books recommended for study:—

(1) MACKENZIE: Outlines of Social Philosophy.

(2) GIDDING: Principles of Sociology.

(3) WRIGHT: Elements of Practical Sociology.

Books that may be consulted:—

SPENCER: Principles of Sociology;

MAINE: Ancient Laws;

TAYLOR: Primitive Culture;

FRASER: Psyche's Task;

WESTERMARCH: History of Moral Ideas.

N. B.—*Comparative study of Western and Indian Ethics and Sociology will be required.*

Paper IV—*Essay.*

N. B.—*Alternative questions (one of which will have to*

be attempted) are to be set on the subjects of special study offered by the candidates.

History.

Paper I—(International Law and Politics.)

HALL: Treatise on International Law.

GETTELL: Introduction to Political Science.

DE BURGH: Legacy of Greece and Rome.

HAMMOND: Comparative Politics.

Paper II—(Subject chosen for the examination of 1919—'23:
England from 1865 to 1885).

H. PAUL: History of M. England, Vols. 3 and 4.

MORLEY: Life of Gladstone, Bks. 5-8.

Cambridge Modern History.

Paper III—(A period of cultural history of a select personage.
Subject chosen for the examination of 1919—'23: -
Periclean Greece.)

HOLM: History of Greece, Vol. 2.

THUCYDIDES: History, tr. by Dale, 2 Vols. (G. Bell.)

GREENIDGE: A Handbook of Greek Constitutional History.
(Relevant chapters only.)

W. FOWLER: City State of the Greeks and Romans.
(Relevant chapters only).

MAHAFFY: Social Life in Greece.

History of Classical Greek Literature, 2 Vols. (Relevant chapters only).

G. MURRAY: Euripides and His Age (Home University.)

Paper IV.

An essay on any subject included in the course.

Papers V—VII. A. Group.

(i) (Ancient Hindu India).

RAPSON: Indian Coins.

SCHOFF: Periplus.

MC. CRINDLE: Megasthenes and Arian.

SHAMA SHASTRI: Artha Shastra, English.

MACDONELL: History of Samskrit Literature.

KAEGI: Rig Veda.

FLEET: Gupta Inscriptions (Corpus Inscript. Indic. Vol. III.)

[The student is expected to possess an up-to-date knowledge of the Ancient Geography of India].

(ii) (The Buddhistic World).

KERN: Manual of Indian Buddhism.

BUHLER: Indian sect of Jainas.

BEAL: Buddhist Records of the Western World, 2 Vols.

Asoka's inscriptions as in Epigraphia Indica, Vol. II.

GILES: Civilisation of China (Home University.)

(iii) (The Ancient East).

HALL: Ancient History of the Near East.

BUDGE: Egyptian Religion.

MASPERO: Art in Egypt (Heinemann).

[The Student should consult L. W. King's History of Sumer and Akad.

History of Babylonia.

BUDGE: History of Egypt.

JASTROW: Civilisation of Babylonia and Assyria.]

Papers V—VII. B. Group.

(i) (Mediæval India),

ELLIOT AND DOWSON: Vols. 2-4.

J. N. SARKAR: History of Aurangzeb.

TOD: Rajasthan, Vol. I. (Sketch of the Feudal System and Annals of Mewar).

V. A. SMITH: Akbar, the Great Moghal.

HAIG: Historic Landmarks of the Deccan (Pioneer Press).

GRANT DUFF: History of the Mahrattas, Vols I and 2, Chs. 1-7 (or to the death of Madhav Rao 1772).

(ii) (The Islamic World outside India).

MUIR: The Caliphate, new ed. by Weir.

Cambridge Mediæval History, Vol II. Chs. 10-12.

LANE POOLE: History of Egypt under the Arabs (Methuen).

LANE POOLE: Moors in Spain (Story of Nations).

(iii) (Mediæval Europe).

Cambridge Mediæval History, Vols. 1-3.

BRYCE: Holy Roman Empire.

V. DURUY: History of the Middle Ages (G. Bell).

E. JENKS: Law and Politics in the Middle Ages (Murray).

SEIGNBOS: Mediæval Civilisation.

Papers V—VII. C. Group.

(i) (British India, a select period; from Cornwallis to Wellesley) Fifth Report, ed. by Firminger, Vol. I.

M. M. D. L. T.—History of Haidar Naik and Tipu Sultan.

S. OWEN: Selections from Wellesley's Despatches.

S. OWEN: Selections from Wellington's Indian Despatches.

DUFF: History of the Mahrattas, Vol. III. Chs. 3-15.

MILL AND WILSON: History of India Bk. VI, being Vols. 5 and 6 of the Fourth Edition.

(ii) (India under the Crown).

A. RANGASWAMI AIVANGAR: Indian Constitution.

P. MUKHERJI: Indian Constitutional Documents.

[And other books to be announced later].

(iii) (Economic History of India from 1500 A. D.)

MACPHERSON: History of European Commerce with India.

BLOCHMAN AND JARRET; Ain-i-Akbari, Vols. 1 and 2.

TAVERNIER: Travels, tr. by Ball.

J. N. SARKAR: India of Aurangzeb—Statistics—topography and roads.

BADEN POWELL: Land Revenue in British India.

S. C. ROY: Famines in India.

R. C. DUTT: Economic History of British India. 2 Vols.

A critical study of Dutt's Famines in India.

Moral and Material Progress.

Decennial Reports, 1901 and 1911.

The candidate may offer any three of the above seven papers at the Previous and the other four at the Final examination. No exchange of papers between Groups A, B and C is allowed.

Political Economy and Political Philosophy.

There will be seven papers in all of which any three papers may be taken for the M.A. Previous and the remaining four for the M.A. Final provided that the essay paper will be taken at the Final examination only.

Paper I.—Analytical Economics and History of Economic Theory.

Books recommended:—

MARSHALL: Principles of Economics.

GIDE AND RIST: History of Economic Thought.

CARVER: Distribution of Wealth.

SMART: Theory of Value.

CLARK: Essentials of Economic Theory.

Paper II.—Economic History of England, and India and Modern Tariff History.

(Students will be expected to show knowledge of the general history of the 19th century as outlined in such an elementary book as Robinson's Development of Europe Vol. II).

Books recommended:—

MEREDITH: Economic History of England.

CUNNINGHAM^{*} Commerce and Industry Vol. II, Part II.

ASHLEY: Economic Organisation of England.

„ : Modern Tariff History.

TOYNBEE: Industrial Revolution.

TAUSSIG: Tariff History of the United States.

CHOLMELY: Protection in Canada and Australia.

R. C. DUTT: India under Early British Rule and India in the Victorian Age.

Paper III.—Principles and History of Political Philosophy.

BLUNTSCHLI: Theory of State.

GREEN: Lectures on Political Obligation.

JETHRO BROWN: Underlying Principles of Modern Legislation.

DUNNING: History of Political Theories, 2 vols.

E. BARKER: Political Thought from Spencer to to-day.

RANGASWAMI IYENGAR: Some aspects of Ancient Indian Polity.

Paper IV.—Essay on some Economic or Political subject.

EITHER GROUP A. ECONOMICS.

Paper V.—Money, Banking, Prices and Finance with special reference to India.

CONANT: Principles of Money and Banking.

FISHER: Purchasing Power of Money.

WITHER: Money Changing.

BASTABLE: Public Finance.

GUSTAV COHN: Public Finance.

LAYTON: Introduction to the Study of Prices.

DATTA: Report on High Prices in India.

CHAMBERLAIN: Commission Report on Indian Currency.

Indian Financial Statements from 1906-1917.

Paper VI.—A special Indian Economic Problem to be studied in great detail, *e.g.*

A. Co-operation.

B. The Problem of Indian Manufactures.

C. Indian Agriculture.

D. Transport (including Shipping).

E. Famines.

Note. The books to be studied for this paper will be announced from time to time according to the subject which is selected by the University Professor for a particular year.

Paper VII.—*Either* Theory and Practice of Statistics.

Books recommended:—

BOWLEY: Elements of Statistics.

YULE: Introduction to the Theory of Statistics.

GIFFEN: Economic Inquiries and Studies, 2 vols.

Or Social, Economic and Labour Problems.

Books recommended:—

ROWNTREE: Poverty.

S. B. WEBB: Public organisation of the Labour market.

WEBB: Industrial Democracy.

GRAHAM: Socialism, new and old.

BUSHILL: Profit sharing and labour questions.

SCHLOSS: Methods of Industrial Remuneration.

FIGOU: Unemployment.

OR GROUP B. POLITICAL PHILOSOPHY.

Paper V.—Constitutional organisation of the British Empire,
the Self-Government Dominions and India.

Books recommended:—

DICEY: Law of the Constitution.

LUCAS: Historical Geography of the British Colonies.

KEITH: Responsible Government in the Dominions.

BRAND: Union of South Africa.

CURTIS: The Problems of the Commonwealth.

DURHAM: Report on Canadian Self-Government.

ILBERT: Government of India.

LEE WARNER: Native States of India.

Report of the last Imperial Conference.

Paper VI.—International law with reference to Political and
Economic institutions.

Books recommended:—

HALL: Treatise on International law.

WESTLAKE: Principles of International law.

BOSANQUET: International Ideals.

HIGGINS: Hague Peace Conference.

F. E. SMITH: International law.

Paper VII.—*Either* Comparative study of Social and Political Institutions.

MAIN: Ancient Law (Pollock's Edition).

COULANGE: Ancient City.

FISHER: Bonapartism.

CARVER: Sociology and Social Progress.

* GIDDINGS: Democracy and Empire.

KIDD: Social Evolution.

RISLEY: Census Report for India 1901.

Or Colonial and Local Government.

REINSCH: Colonial Government and Administration.

LEWIS: Government of Dependencies.

FAIRLIE: Municipal administration.

GOODNOW: City Government in U. S. A.

SHAW: Municipal Government in Continental Europe.

P. ASHLEY: English Local Government.

DAWSON: Municipal life and Government in Germany.

Mathematics.

(PREVIOUS).

The Examination shall consist of four papers, each of three hours' duration.

I. (a) Integral Calculus:—

Definite Integrals, multiple integrals, including Green's Theorem and Dirichlet's Theorem, Line and Surface Integrals, and use of Fourier's series.

(b) Differential Calculus :—

Maxima and minima of functions of two or more independent variables, multiple points, curve tracing, change of variables and Jacobians. Edward's Differential Calculus is recommended.

Goursat-Hedrick Part I may also be consulted.

II. (a) Solid Geometry, as in Charles Smith's Solid Geometry.

(b) Differential equations, as in Murray's Differential Equation or the corresponding parts of Forsyth's Differential Equations.

III. Statics :—

Forces in three dimensions, the principle of work, centre of gravity, strings, attractions and potentials of rods, discs, spheres and spherical shells, homogeneous ellipsoids and ellipsoidal shells, Laplace's, Poisson's and Gauss's Theorems.

Routh's Statics and Loney's Statics are recommended.

IV. (a) Dynamics of a particle, as in Loney's "Dynamics of a Particle and of Rigid Bodies," Chapters I-X.

(b) Rigid Dynamics, limited to two dimensions, including Lagrange's equations and their applications to easy problems.

Routh's Elementary treatise on Rigid Dynamics, Chapters I-IV.

and

Loney's "Dynamics of a Particle and of Rigid Bodies." Chapters XI-XV, XVII-XIX are recommended.

(FINAL).

The examination shall consist of four papers, each of three hours' duration. Candidates are required to offer group

A and either to take any two subjects from Group B or any two subjects from Group C.

GROUP A.

(1) Algebra, Trigonometry and Theory of Equations, as in Chrystal's Algebra, Part II, Chapter XXXI, Chapter XXXV, Arts, 1-18.

Hobson's Trigonometry, Chapters XIII-XVIII.

Burnside and Panton's Theory of Equations, Part I, and Chapter XIII of Part II.

(2) Analytical Conics and Differential Equations, As-
kwith's Analytical Geometry of the Conic Sections Chapters XIV to XIX and Forsyth's Differential Equations, excluding Jacobi's methods and Partial Differential equations of second and higher orders with variable co-efficients.

GROUP B.

(1) Spherical Astronomy as in Sir R. S. Ball's Treatise on Spherical Astronomy.

(2) Hydrostatics and Hydrodynamics.

(3) Harmonic Analysis with applications as in Byerley's "Fourier's Series and Spherical Harmonics".

(4) Dynamical Astronomy including Lunar and Planetary Theories as in Plummer's Dynamical Astronomy.

GROUP C.

(1) Theory of Aggregates and Theory of Functions, of a real variable as in Syllabus given in Schedule A.

(2) Theory of Functions of a Complex variable as in Burkardt's book (translated by Resor) or in Goursat vol 2, Part I.

(3) Differential Geometry as in syllabus given in Schedule B.

(4) Non Euclidean Geometry (as in Chapters I-VII, IX and XI-XIV of Coolidge's Non Euclidean Geometry, and Projective Geometry as in Cremona's Projective Geometry or Mathew's Projective Geometry).

N. B.—In Coolidge's Non Euclidean Geometry, those parts of Chapters VIII and X which may be considered absolutely necessary for understanding the twelve Chapters mentioned above should also be studied.

SCHEDULE A.

I Theory of Aggregates.

1. Irrational numbers. Cantor's and Dedekind's Theory. Arithmetical Theory of Limits. Convergent sequences.

2. Theory of Aggregates or sets of points.

(a) Definitions:—Limiting point, everywhere dense, dense in itself, closed, perfect, non-dense sets.

(b) Power of Potency of an Aggregate. Enumerable and unenumerable Aggregate, with fundamental theorems about rational, algebraic and real numbers.

(c) Derivatives of Aggregates. Aggregates of the 1st and 2nd species, and those of the 1st and 2nd category.

(d) The content and measure of Aggregates.

(e) Heine-Borel Theorem on sets of Intervals.

(f) Non-dense closed sets.

II. Theory of functions of a real variable.

1. Functions of real variables.

(a) Continuity of functions of one or two real variables. Uniform continuity. Discontinuities of the 1st and 2nd kind. Pointwise discontinuous functions and totally discontinuous functions.

- (d) Monotone functions and functions of bounded variation or limited total fluctuation.
- (c) The derivatives of functions. Some important properties of derivatives. Continuous functions not possessing a differential coefficient anywhere in a given interval. Partial differential coefficients. Cases in which $\frac{d^2f}{dx dy}$ differs from $\frac{d^2f}{dy dx}$ Maxima and minima of one or two real variables.

2. Intergration.

Rieman's definition of Integration. Labesgue's definition of Integration. Important properties of the definite Integral. The fundamental theorem of the Integral Calculus. Mean Value Theorems. Improper Integrals. Definitions of double and repeated integrals. Content and measure of two-dimensional sets. Rigorous proof of the rule for Integration by parts.

3. Series of Real Variables:—

- (a) Convergence of series. Uniform convergence. Tests of uniform convergence. Continuity of the sum function.
- (b) The convergence of power series. Product of two series. Taylor's Theorem. Lagrange, Cauchy and Schlomilch's forms for the Remainder in Taylor's Series. Expansibility in Taylor's series.
- (c) Double sequence and double series.
- (d) Differentiation and Integration of series.
- (e) Cantor method of condensation of singularities.
- (f) Wierstrass's theorem on the representation of a continuous function by a series of polynomials.

Books suggested for consultation:—

Hobson's Theory of Functions of a Real Variable (Camb. University Press).

Pierpoint's Theory of Functions of a Real Variable (Ginn and Company, New York.)

SCHEDULE B.

- I. Curves in space. Radii of Curvature. Torsion. Spherical curvature. Frenet's Formulæ. Moving Trihedron. Some special Curves (e. g. the Helix, the Bertrand Curves etc).
- II. Surfaces:
 - (a) The fundamental forms. The three fundamental differential equations. Gaussian curvature. Asymptotic lines. Lines of Curvature. Conjugate lines.
 - (b) Developable surfaces of constant positive curvature. Surfaces of constant negative curvature. Minimal surfaces. Some other special surfaces.
 - (c) Orthogonality. Conditions to be satisfied by orthogonal surfaces. Properties of orthogonal surfaces.
 - (d) Lines drawn on surfaces. Geodasic lines and their properties including those relating to curvature. Geodasic triangles. Isothermal lines.
 - (e) Quadrature and Cubature.

M. Sc. Examination.

Mathematics.

Same as for the M. A. Examination.

Chemistry.**(A) PREVIOUS.**

There will be three papers each of three hours' duration from which the candidates can choose any two.

Paper I. Organic Chemistry.

Paper II. Inorganic Chemistry.

Paper III. Physical Chemistry.

Historical questions may be set in each Paper. Candidates have to notify to the Registrar six months before the examination what Papers they select. There will also be a practical examination.

PRACTICAL.

Complex Inorganic Analysis (Qualitative).

Volumetric and Gravimetric analysis.

Complete analysis of at least two Indian minerals of economic importance and of some of the common alloys.

Identification of common organic substances.

The following experiments in Physical Chemistry:—

Surface tension, viscosity and transition point.

The candidate will continue the study of the special subject taken in the B. Sc., under para 7, and may submit to the examiner his work along with samples of the substance or substances prepared to show the progress he has made during the year. The examiner will take this into account in marking for the practical examination.

Books suggested for study and reference:—

THEORETICAL.

OSTWALD: Principles of Chemistry.

ROSCOE AND SCHOLEMMER: Inorganic Chemistry, parts I and II.

MELLOR; Higher Mathematics for students of Physics and Chemistry.

ARMITAGE; History of Chemistry.

WALKER; Physical Chemistry.

JONES: Elements of Physical Chemistry.

FENTON: Physical Chemistry.

BERNTHSEN: Organic Chemistry.

COHEN; Advanced Organic Chemistry.

PRACTICAL.

MELLOR: Quantitative Analysis.

CLOWES AND COLEMAN: Quantitative Analysis.

TREADWEL AND HALL: Analytical Chemistry.

SUTTON: Volumetric Analysis.

THORPE: Industrial Chemistry.

SUDBOROUGH: Practical Organic Chemistry.

WESTON: Identification of Organic Compounds.

L. J. SPENCER: World's Minerals.

(B) FINAL.

There will be four papers (one Inorganic, two Organic, one Physical and Historical Chemistry), each of three hours' duration. There will also be a practical examination.

The subjects of the examination will be :—

Inorganic Chemistry.

Organic Chemistry.

Physical Chemistry.

History of Chemistry.

Candidates are expected to have acquaintance with recent work connected with one of the first three branches mentioned above. They should be able to refer to and abstract the recent chemical literature from scientific journals.

A candidate may offer to take up translation from French, German or old Samskrit technical literature (Dictionary being allowed). The examiners will take this into consideration in deciding the result of the examination.

PRACTICAL EXAMINATION.

Simple experiments in Physical Chemistry.

Organic analysis, Gas analysis.

Qualitative and Quantitative analysis of any four of important Indian minerals of economic value other than those taken up for the Previous M. Sc. examination.

The candidate will conclude his study of the special subject selected under paragraph 7 of the B. Sc. Syllabus and will submit to the examiner the whole work done by him during the four years with the prepared samples. The examiner will take this work into account in deciding the result of the examination.

Books suggested for reference and study in addition to those prescribed for the Previous examination.

RICHTER: Organic Chemistry.

EMIL FISCHER: Organic Preparations.

STEWART: Recent Advances in Organic Chemistry.

MAYER: History of Chemistry.

WANT'S HOFF: Lectures on Theoretical and Physical Chemistry,

WERNER: New Ideas in Inorganic Chemistry.

NERNST: Theoretical Chemistry.

P. C. ROY: History of Hindu Chemistry Vol. I.

STEWART: Recent Advances in Physical and Inorganic Chemistry.

THORPE: Industrial Chemistry.

ROGERS: Industrial Chemistry.

Chemical Society Annual Reports.

Papers in Current Scientific Journals.

LASSER COHN: Laboratory Manual of Organic Chemistry.

MAYER TINGLE: Determination of Radicals in Carbon Compounds.

FINDLAY: Practical Physical Chemistry.

FRANCIS GREY: Practical Physical Chemistry.

Physics.

(A) PREVIOUS.

The subjects of Examination are:—

Properties of Matter.

Heat.

Sound.

A candidate shall be required to have a sound knowledge of the experimental side of the above subjects and also such knowledge of the theoretical side of each as may be obtained by the applications of the Calculus and Differential Equations. In addition to the above, the candidate shall be required to have a *detailed advanced knowledge, experimental and theoretical, of one special subject*. The candidate may either select any subject from the following list or take up any other subject, provided that in the latter case, he applies at least six months before the date of the examination and the subject is approved by the Syndicate on the recommendation of the Board of Studies in Physics.

Special Subjects.

“Elasticity and Strength of Materials”.

“General Theory of Vibrations, with Illustrations.”

“Wave-motion in Fluids.”

“Advanced Thermodynamics and Laws of Radiation.”

“Kinetic Theory of Gases and Gas Laws.”

“Heat Conduction and Radiation.”

“Dynamical Theory of Sound”

“Thermometry and Pyrometry.”

There shall be three papers, each of three hours' duration.

i. Properties of Matter and Sound.

ii. Heat.

iii. Special subject selected by the candidate.

The scope of the examination is approximately indicated by the following text-books:—

POYNTING AND THOMSON.—“Properties of Matter.”

PRESTON:—“Theory of Heat.”

PLANK: Thermodynamics.

BARTON: Sound.

For the *special* subject, students are required to consult their Professors as to a suitable course of reading, which should include the study of Original Papers and recent advances as described in Standard Scientific Journals.

There shall be a Practical Examination in Physics in the subjects offered by the candidate.

Books recommended:—

WATSON: Text-book of Practical Physics.

KOHLRAUSCH: Physical Measurements.

(B) FINAL.

The subjects of the examination are:—

Light.

Electricity.

Magnetism.

A candidate shall be required to have a sound knowledge of the experimental side of the above subjects and also such knowledge of the theoretical side of each as may be obtained by the applications of the Calculus and Differential Equations. In addition to the above, the candidate shall be required to have a *detailed advanced knowledge, experimental and theoretical of one special* subject. The candidate may either select any subject from the following list or take up any other subject, provided that in the latter case, he applies at least six months before the date of the examination and the subject is approved by the Syndicate on the recommendation of the Board of Studies in Physics.

SPECIAL SUBJECTS.

“Electromagnetic Theory of Light.”

“Geometrical Optics and Theory of Optical Instruments.”

“Spectroscopy.”

“Theory of Electricity and Magnetism.”

“Electrolysis and Theory of Solutions.”

“Radio-activity and the Electron Theory.”

There shall be three papers, each of three hours' duration.

(i) Light.

(ii) Electricity and Magnetism.

(iii) Special subject selected by the candidate.

The scope of the examination is approximately indicated by the following text-books.

PRESTON: Theory of Light.

WOOD: Physical Optics.

DRUDE: Optics.

FOSTER, ATKINSON & PORTER: Electricity and Magnetism.

CAMPBELL: Modern Electrical Theory.

STARLING: Electricity and Magnetism.

For the *Special* Subject students are required to consult their Professors as to a suitable course of reading which should include the study of Original Papers and recent advances as described in Standard Scientific Journals.

The candidates shall also present a *Thesis* consisting of a record (published or not) of advanced work or of an essay on some scientific questions of importance involving criticism or historical research.

There shall be a Practical Examination in Physics in the subjects offered by the candidate.

Books recommended :—

WATSON : Text-book of Practical Physics.

KOHLRAUSCH : Physical Measurements.

MANN : Manual of Advanced Optics.

M. Sc. students will be required to show that they possess a practical acquaintance with the handling of laboratory machines, *e.g.*, Laboratory Dynamos and Motors, Oil and Petrol Engines. Charging Accumulators, Projection Lantern, etc.

Zoology

(PREVIOUS).

The Structure, Development, Bionomics, and Distribution in Space and Time of Typical Representatives and other examples illustrative of the general characters of the Principal sub-divisions of the following phyla of the animal Kingdom :—

Protozoa, Porifera, Coelenterata, Platyhelminthes, Nemer-
tines, Nemathelminthes, Chaetognatha, Annelida,
Rotifera, Polyzoa, Brachyopoda, Mollusca, Echino-
dermata, Enteropneusta, Tunicata, Cephalochorda,
Vertebrata.

The following books are suggested :—

1. Parker and Haswell: A text-book of Zoology. 2 vols.
2. Sedgwick's Students Text-book of Zoology. 3 vols.
3. Lankester's Treatises on Zoology.
4. The Cambridge Natural History.
5. Reynold's Vertebrate Skeleton.
6. Fowler's Osteology of the Mammalia.

There will be three papers as mentioned below, each of three hours' duration :—Paper I will deal with the comparative anatomy and embryology of non-chordate groups; paper 2, with the comparative anatomy and embryology of chordate; paper 3, with the following groups of which a higher standard would be required :—

Protozoa, Coelenterata, Reptilia.

PRACTICAL WORK.

There will also be a practical test.

All aspects of the subject to be studied, as much as possible, from a practical standpoint.

(FINAL).

The subjects for examination shall be :—

- (a) The general principles of Biology, comprising the various theories of evolution and the subjects of variation, adaptation, inheritance and sex.
- (b) A detailed knowledge of some subject or group to be announced at least one year previous to the date of the examination.
- (c) Arthropoda.

There shall be four papers each of three hours' duration and there shall also be a practical examination :—

Paper I—shall comprise (a) the cell and the leading structural modifications and functional relationships of its constituent parts and (b) the evidences bearing upon the hypothesis of evolution; general theories of Variation, Heredity and Origin of Species.

Paper II—Arthropoda.

Papers III & IV—shall deal with the specified subject or group selected.

(Examiners appointed to set papers 3 and 4 will collaborate to obviate overlapping of questions in the 2 papers).

PRACTICAL WORK.

A selected subject and Arthropoda shall be studied, as much as possible, from the practical standpoint. A selected group shall be studied primarily from the local fauna available in the United Provinces, but also from other examples of important types.

Mineralogy.

(Course not prescribed).

Geology.

(Course not prescribed).

Botany.

(PREVIOUS).

A knowledge of the structure, development and reproduction of the various groups of the Cryptogams and Gymnosperms including the more important extinct types and their bearing on Phylogenetic relationships. There will be 3 papers and a practical examination. The first paper will

deal with Algae and Fungi, the second with Bryophyta and Pteridophyta and the third with the Gymnosperms.

(FINAL).

The subjects for examination shall be as indicated below and will be divided into 4 papers as indicated by the numbers. In addition there shall be a practical examination.

- A. (1) Angiosperms.
- (2) Ecology and Physiology.
- (3) Evolution, Variation and Heredity.
- B. (4) A detailed knowledge of some subject or group
 (Metabolic Aspects of Plant Physiology).

The following books are suggested for both Previous and Final.

STRASBURGHER: Text-book of Botany.

SCHIMPER: Plant Geography.

COULTER AND CHAMBERLAIN: Gymnosperms.

WILLIS: Flowering Plants and Ferns.

LOCK: Heredity, Variation and Evolution.

JOST: Lectures on Plant Physiology.

DARWIN AND ACTON: Practical Physiology of Plants.

CAMPBELL: Mosses and Ferns.

WEST: Algae.

BUTLER: Fungi and Diseases in Plants.

SCOTT: Studies in Fossil Botany.

The Previous Examination in Samskrit.

There will be only one paper of three hours' duration.

Books prescribed :—

Selections from the Hitopadesa and the Nalopakhyaṇa
(University Book Depot) In Samskrit Grammar students

should acquaint themselves with typical declensions such as those of राम, मुनि, पितृ, लता, नदी, फल, मधु and conjugation of roots like हस्, in लट्, लङ्, लोट् and लृट् and also of कथ्, वृत्, विश्, कृ in लट् only and simple samasas अव्ययीभावतत्पुरुष (including कर्मधारय and द्विगु, द्वन्द and बहुव्रीहि with examples.)

Examination for the Degree of Licentiate of Teaching.

The subjects of the examination are the Theory and Practice of Teaching.

THEORY.

There will be *four* papers set, as follows :—

- (1) Principles of Teaching.
- (2) History of Education.
- (3) Methods of Teaching.
- (4) School Management and Hygiene.

Course of Studies.

1. PRINCIPLES OF TEACHING, including—

(a) A general treatment of Psychology such as is found in an elementary text-book of the nature of “James’ Talks to Teachers.”

(b) A fuller treatment of the following points, dealing especially with their reference to the actual work of Teaching:—

The presentative and representative elements of consciousness; association and apperception; interest; attention and memory; the main mental differences between childhood and adolescence.

2. HISTORY OF EDUCATION:—

(a) Outline study of the educational theories of the following:—

L. T. EXAMINATION—1922.

Comenius, Locke, Rousseau, Pestalozzi, Froebel and Herbart.

(b) Outline study of the development of education in India from the beginning of the 19th century.

(c) Outline study of the Hindu ideals of education, including the relations between teachers and pupils.

3. METHODS OF TEACHING:—

Methods and apparatus suitable for the teaching of the various subjects of the curriculum of secondary schools in India.

Students will be expected to be acquainted with recent development in methods in countries other than India.

4. SCHOOL MANAGEMENT AND HYGIENE:—

(a) Home work, note-books, correlation of subjects, discipline and class management, class records, time-tables.

(b) Common infectious diseases, their signs and prevention; simple casualties; eyesight and hearing; fatigue; natural ventilation; arrangement of class-rooms; school furniture; physical exercise.

PRACTICAL TEACHING.

(a) Practice by students, supervised by the College staff.

(b) Criticism lessons—two by each student.

(c) Demonstration lessons—these are given by members of the staff of the College and the Central Hindu School.

BOOKS SUGGESTED.

Principles of Education.

1. JAMES: Talks to Teachers.

2. DEXTER AND GARLICK: Psychology for the School-room.

3. LLOYD MORGAN: Psychology for teachers.
4. DUMVILLE: Child-mind.

Method.

1. Suggestions for the consideration of Teachers.
2. LONDON: The Principles and Practice of Teaching and Class Management.
3. ADAMSON: The Practice of Instruction.
4. WREN: The Indian Teacher's Guide.
5. WREN: The "Direct" teaching of English in Indian Schools.
6. COLLAR AND CROOK: School Management and Methods of Instruction.
7. MACKENZIE: Instruction in Indian Secondary Schools.
8. DEXTER AND GARLICK: A Primer of School Methods.

School—Management.

1. LONDON: School-management.
2. WREN: Indian School Organization.
3. COLLAR AND CROOK: School Management and Methods of Instruction.

Hygiene.

1. LYSTER: School Hygiene.
2. SHAW: School Hygiene.

History of Education.

(A) INDIAN.

1. BHAGAVAN DAS: The Laws of Manu in the light of Theosophy (Chapter III only).

2. MAZUMDAR: A History of Education in Ancient India.
3. NARENDRANATH LAW: Promotion of Learning in India during Mohamedan Rule.
4. ZUTSHI: Education in British India.
5. MAHMOOD: The History of English Education in India. 1781-1893.

(B) FOREIGN.

1. GREAVES: Great Educators of Three Centuries.
2. MONROE: Text-Book in the History of Education.

प्राच्य-विद्या-विभाग

प्रवेशिका परीक्षा

संस्कृतं देवनागरीलिप्या लेखनीयम् ।

(१) संस्कृतं—वाल्मीकीयरामायणम्—सर्ग १

रघुवंशम्—सर्ग १-५

अथवा—

वेदसंहिता सस्वरा (शुक्रयजुषः ५ अध्यायाः; अथवा कृष्णयजुस ५ अध्यायाः; अथवा ऋक् पवमानसूक्तम्; अथवा सात्रः—रुद्राध्यायः; अथवा अथर्व ५ अध्यायाः;

(२) पञ्चतन्त्रम् (परिष्कृतम्)

(३) लघुकौमुदी;—अथवा अष्टाध्यायी, शब्दरूपावली धातु—

रूपावली, धातुपाठः, समासचक्रम्;—अथवा

संक्षिप्तसारः;—अथवा प्रयोगरत्नमाला;—अथवा

जैनेन्द्रवृत्तिः;—अथवा सारस्वतम् (पूर्वाह्नम्)

चन्द्रिका (उत्तरार्हम्);—अथवा मुग्धबोधम्;—

अथवा कलापः;—अथवा सुपन्नव्याकरणम्;—

अथवा प्रक्रियाकौमुदी;—अथवा भाषावृत्तिः ।

(४) देशीयभाषा—

हिन्दी—रामचरितमानस—सीयस्वयम्बर

(हन्दा महाभारत (महावारप्रसादाद्वयदाकृत) स अध्यानादष्टभागः—

पृ०	४	पंक्ति	२३	से	पृ०	८ पंक्ति १८
॥	३५	॥	१८	॥	॥	४३ (अन्त)
॥	७३	॥	३	॥	॥	७७ (अन्त)
॥	१७७	॥	२५	॥	॥	१८४ पंक्ति २
॥	२०१	॥	२२	॥	॥	२०२ ॥ ७
॥	२५०	(प्रारम्भ)	॥	॥	॥	२८२ ॥ ८
॥	३००	पंक्ति	४	॥	॥	३०३ ॥ १७
॥	३४१	॥	१६	॥	॥	३४६ ॥ ५
॥	४८७	(प्रारम्भ)	॥	॥	॥	पुस्तकके अन्ततक

बंगला—सीतारवनवास—भारतभिन्ना—आठटि गल्प

गुजराती—करणधेलो—काव्यदोहन

मराठी—गव्यरत्नमाला—महाभारत सभाषर्व (मोरोपन्त)

उरिया—प्रबन्धमाला—कवितासंग्रह

तेलुगू—नीतिचंद्रिकासन्धि—भास्करशतकम्

[५] अङ्कगणितः—

जोड़, बाकी

गुणन, भाग

साधारण भिन्न

और त्रैशिक

[६] बाबू कालिकासिंह

एम. ए., बी० टी, कृत

भारतवर्ष का इतिहास

भारतवर्ष का भूगोल

अथवा

[५] अमरकोशः, अथवा
निघण्टुः

[६] तर्कसंग्रहः अथवा
न्यायदीपिका [जैन]

अथो निर्दिष्टानाम् एकतमो विषयः [ऐच्छिकः]

[अ] इंग्लिश—युक्त प्रदेश निर्दिष्ट निम्न मध्यमान पाठ्यम्

[इ] चित्रण—हस्तकौल

[उ] कृषिविद्या—क्षेत्रमापन

अथवा

यथा 'एडमिशन' परीक्षायां
निर्दिष्टम्

प्राच्यविद्याविभाग ।

मध्यमा [वर्षद्वयम्]

संस्कृते प्रश्नपत्र नं० १*—वाल्मीकीय रामायणम् (सुन्दरकाण्डस्य सर्गाः

१६-४०)

मनुस्मृतिः (ब्रह्मचारि गृहस्थ धर्माः)

रघुवंशम् (सर्ग १०-१५)

निबन्ध रचना अनुवादश्च

हिन्दी प्रश्नपत्र नं० २*—हिन्दी भाषासार गद्यभाग १,

कविता कुसुममाला (इण्डियनप्रेस)

सप्त सर्गज

* ये प्रश्नपत्र प्रत्येक विषय के लिये साधारण हैं ।

(अ) व्याकरणसाहित्ययोः—

प्रश्नपत्र नं० ३—सिद्धान्तकौमुदी (पूर्वाह्ण), अथवा

काशिका (पूर्वाह्ण), अथवा

मुग्धबोधम् (दुर्गाशसगमतर्कवागीशकृतटीकासहितम्)
(पूर्वाह्ण), अथवा

कलापः (परिशिष्ट-त्रिलोचनकृतपञ्चीदुर्गासिंहकृतट्टित्स-
हितः (पूर्वाह्ण), अथवा

संचिप्तसारः (गोइचन्द्रकृतटीकासहितः (पूर्वाह्ण), अथवा
मुपबध्याकरणम् (परिभाषाविष्णुमिश्रकृतटीकासहितम्)
(पूर्वाह्ण), अथवा

शब्दार्णवचन्द्रिका (पूर्वाह्ण) ।

प्रश्नपत्र नं० ४—सिद्धान्तकौमुदी (उत्तराह्ण) चरवैदिकी उणादि प्रकरण
रहिता, अथवा

काशिका (उत्तराह्ण), अथवा

मुग्धबोधम् (दुर्गाशसगमतर्कवागीशकृतटीकासहितम्)
(उत्तराह्ण), अथवा

कलापः (परिशिष्टत्रिलोचनकृतपञ्चीदुर्गासिंहकृतट्टित्स-
सहितः) [उत्तराह्ण], अथवा

संचिप्तसारः [गोइचन्द्रकृतटीकासहितः] [उत्तराह्ण],
अथवा

मुपबध्याकरणम् [परिभाषाविष्णु मिश्रकृतटीकासहितम्]
[उत्तराह्ण], अथवा

शब्दार्णवचन्द्रिका [उत्तराह्ण] ।

प्रश्नपत्र नं० ५—न्यायमुक्तावली प्रत्यक्ष

दशकुमारचरिते विश्रुतचरितम् ।

„ „ ६—शिशुपालवधम् [सर्ग १-२]

किराताजुनीयम् [सर्ग १-३]

वामनकृत—काव्यालङ्कारसूत्रम् ।

[क] प्राचीनन्यायवैशेषिकयोः—

- प्रश्नपत्र नं० ३—गौतमसूत्रं विश्वनाथट्टिसहितम्
 „ „ ४—वैशेषिकसूत्रं उपस्कारसहितम्
 „ „ ५—मुक्तावली सम्पूर्ण
 „ „ ६—पञ्चलक्षणी माथुरी,
 सिद्धान्तलक्षणाजागदीशी

[च] नव्यन्यायवैशेषिकयोः—

- प्रश्नपत्र नं० ३—पञ्चलक्षणी माथुरी
 तार्किकरत्ना
 „ „ ४—व्यधिकारण जागदीशी
 „ „ ५—सिद्धान्तलक्षणाजागदीशी
 „ „ ६—अवच्छेदकत्वनिरुक्तिजागदीशी

[ट] पूर्वमीमांसायाम्—

- प्रश्नपत्र नं० ३—जैमिनिस्मृतम् मीमांसाकुतूहलसहितम्
 [अध्याय १-२)
 शास्त्रदीपिका निवीतान्ता अथवा
 भाट्टदीपिका निवीतान्ता
 प्रश्नपत्र नं० ४—शास्त्रदीपिकायास्तर्कपादः
 „ „ ५—मीमांसापरिभाषा,
 मीमांसान्यायप्रकाशः ।
 „ „ ६—कात्यायनश्रौतसूत्रम् [अध्याय १-६]
 न्यायमुक्तावली—प्रत्यक्षखंडपर्यन्ता ।

[त] वेदान्ते—

- प्रश्नपत्र नं० ३—ब्रह्मसूत्रं सभाष्यम् [अध्याय १-२ पाद १-२]
 „ „ ४—वेदान्तपरिभाषा,
 पञ्चदशी ।
 „ „ ५—मीमांसासूत्रम्—तर्कपादः [मीमांसाकुतूहलसहितः
 न्यायमुक्तावली प्रत्यक्षखंडपर्यन्ता ।
 „ „ ६—भगवद्गीता शांकरभाष्यसहिता ।

[प] विशिष्टाद्वैताद्वैतवेदान्तयोः —

प्रश्नपत्र नं० ३—ब्रह्मसूत्रं श्रीभाष्यसहितम्—अथवा अणुभाष्य सहितम्]

[प्रथमोऽध्यायः]

” ” ४—वेदान्ततत्त्वसारः ।

न्यायमुक्तावली—प्रत्यक्षखंडपर्यन्ता ।

” ” ५—वेदार्थसंग्रहः

माध्वसिद्धान्तसारः ।

” ” ६—भगवद्गीता रामानुजभाष्य सहिता अथवा

माध्वभाष्यसहिता ।

[य] सांख्ययोगयोः —

प्रश्नपत्र नं० ३—सांख्यसूत्रम् अनिरुद्धवृत्तिसहितम्

योगसूत्रम् भोजवृत्तिसहितम् ।

” ” ४—सांख्यकारिका गौडपादभाष्यम्

सांख्यतत्त्वकौमुदी ।

” ” ५—सांख्यचन्द्रिका

सांख्यसारः ।

” ” ६—योगसारसंग्रहः

न्यायमुक्तावली—प्रत्यक्षखंडपर्यन्ता ।

[र] जैनदर्शने—

प्रश्नपत्र नं० ३—प्रमेयरत्नमाला,

सप्तभंगीतरंगिणी ।

” ” ४—त्याद्वादर्मजरी

आप्तपरीक्षा ।

” ” ५—प्रमाणनयतत्त्वालोकालङ्कारः [मूलमात्र]

तत्त्वार्थ सूत्रम् [मूलमात्र]

” ” ६—सांख्यकारिका [तत्त्वकौमुदी सहित]

सिद्धान्त मुक्तावली [लमात्र]

[श] धर्मशास्त्रे—

प्रश्नपत्र नं० ३—मनुस्मृतिः

याज्ञवल्क्यस्मृतौ आचारकारणं समिताक्षरम्

,, ,, ४—मीमांसापरिभाषा,

न्यायमुक्तावली - प्रत्यक्षखंडपर्यन्ता ।

,, ,, ५—पारस्कर-गृह्यसूत्रम्

आपस्तम्ब-धर्मसूत्रम् ।

,, ,, ६—मीमांसासूत्रम् [मीमांसाकुतूहलसहितम्] अध्याय १-३
पराशरस्मृतिः

(ह) ज्यौतिषे—

प्रश्नपत्र नं० ३—लीलावती [पाटीगणितसहिता]

,, ,, ४—बीजगणितम् अव्यक्तगणितप्रथमभागसहितम्

,, ,, ५—ग्रहलाघवम् [सूर्यग्रहणान्तम्]

,, ,, ६—रेखागणितम् [अध्याय १-४]

फलितसंग्रहः

(क्ष) आयुर्वेदे—

प्रश्नपत्र नं० ३—माधवनिदानम् [मूलम्]

परिभाषा ।

,, ,, ४—माधवनिदानस्य विजयरक्षितकृतटीकायाः पञ्चलक्षणाधि-
कारः ज्वराधिकारः वातव्याध्यधिकारः अशोथधिकारश्च

प्रश्नपत्र नं० ५—शार्ङ्गधरपद्धतिः,

रसेन्द्रसारसंग्रहः,

नाडीविज्ञानम् ।

,, ,, ६—राजनिघण्टुः,

नवीनशारीरक-साधारणविज्ञानम्

[पाठ्य नहीं निर्धारित हुआ]

भौतिक विज्ञान, रसायन विज्ञान और वनस्पति विज्ञान ।

सन् १९२२ की इन विषयों की एडमिशन परीक्षा के पाठ्य ।

अथवा [३] अधोनिर्दिष्टेषु 'अ', 'क' 'च', चिन्हितेषु वर्गेषु
एकवर्गस्थितानां किमप्येकं त्रिकम्

[अ] [१] इंग्लिश—[यथा 'एडमिशन' परीक्षायां
निर्दिष्टम्]

[२] * भारतका इतिहास—प्राचीनमगध कालसे
सन् १००० ई० तक प्रो० बालकृष्ण,
एम. ए. कृत,

भारतका इतिहास—मुसल्मानी कालसे वर्त-
मान काल तक प्रो० बालकृष्ण एम. ए. कृत
इंग्लैण्ड का इतिहास—मिश्रबन्धु कृत [इण्डि-
यन प्रेस]

भूगोल—समस्त भूपण्डल, मुंशी ब्रजवासी } हिन्दी
लाल कृत [प्राकृतिक भूगोल तथा नक्शे
बनाने आदिको छोड़ कर]

[३] दर्शन—पाश्चात्य

[४] गणित—आधुनिक

अथवा [क] [१] इंग्लिश

[२] गणित

[३] पदार्थविद्या

[४] रसायनशास्त्र

[५] वनस्पतिशास्त्र

अथवा [च] [१] आयुर्वेद

[२] वनस्पतिशास्त्र

[३] शरीरविज्ञान

[४] रसायनशास्त्र

शास्त्री [वर्षत्रयम्]

संस्कृते प्रश्नपत्र नं० १-

[साधारण छात्रोंके लिये]

ऐतरेयब्राह्मणम् सप्तमपञ्चिकायाः तृतीयोऽध्यायः

छान्दोग्योपनिषद्

वाल्मीकीय रामायणे बालकाण्डम्

महाभारते अनुशासनपर्व अध्यायाः १-२०

[जैन दर्शन लेनेवाले छात्रोंके लिये]

आदिपुराण

स्थविरावली चरित, और

वाल्मीकीय रामायण [अयोध्याकाण्ड]

हिन्दी प्रश्नपत्र नं० २—

गुप्त निबन्धावली [भारत मित्र],

विनयपत्रिका [तुलसी],

हिन्दी साहित्य का इतिहास [मिश्रबन्धु]

[छोटी पुस्तक]

नवनिधि

[अ १] व्याकरणे—

प्रश्नपत्र नं० ३—महाभाष्य नवान्हिकम् ।

„ ४—सिद्धान्त कौमुदी स्वर वैदिकी प्रक्रिया ।

„ ५—मनोरमा सशब्दरत्ना [अव्ययीभावपर्यन्ता) अथवा
शब्दकौस्तुभः नवान्हिकपर्यन्तः ।

„ ६—परिभाषेन्दुशेखरः

„ ७—वैयाकरणभूषणम्

लघुमंजूषा ।

„ ८—शब्देन्दुशेखरः (अव्ययी भावपर्यन्तः) ।

[अ २] साहित्ये—

प्रश्नपत्र नं० ३—काव्य प्रकाशः ।

„ „ ४—दशरूपकम् ।

रामायणचम्पू

„ „ ५—पिङ्गलसूत्रम्,

प्राकृतप्रकाशः ।

„ „ ६—स्वप्नवासवदत्तम्,

मुद्राराक्षसम्,

मृच्छकटिकम्,

७—नैषधचरितम् सर्गाः १-११, १७.

„ „ ८—कादम्बरी पूर्वार्द्धमात्रम्

(क) वैदिकग्रन्थाः—

प्रश्नपत्र नं०—३—सायणीया ऋग्वेदभाष्यभूमिका
चरणव्यूहः

„ „ ४—निरुक्तम्

„ „ ५—ऋग्वेदस्य प्रथममष्टकम् सायणीयभाष्यसहितम्

„ „ ६—शुक्लयजुर्वेदस्य आद्या विंशाध्यायाः महिषरभाष्यसहिताः
कृष्णयजुर्वेदस्य आद्या दशाध्यायाः सायणभाष्यसहिताः

„ „ ७—शतपथब्राह्मणम् (प्रथमसप्तमकाण्डे) ।

„ „ ८—ऋहदारण्यकोपनिषद् ।

[च] पूर्वमीमांसायाम्—

प्रश्नपत्र नं० ३—शाबरभाष्यम् अध्याय १-६

„ „ ४—श्लोकवार्तिकम्

तन्त्रवार्तिकम् अध्याय १

„ „ ५—प्रकरणपंचिका

„ „ ६—न्यायरत्नमाला

„ „ ७—शास्त्रदीपिका ३ से १२ अथवा

भाट्टदीपिका ७ से १२

प्रश्नपत्र नं० ८—तैत्तिरीयसंहिता प्रथमप्रपाठक सभाष्य, तैत्तिरीय ब्राह्मणम्
प्रथमप्रपाठक सभाष्य

(ट) वेदान्ते—

प्रश्नपत्र नं० ३—ब्रह्मसूत्रं शारीरिकभाष्यसहितम्

भामत्याः कल्पतरुपरिमल सहितायाश्चतुस्सूत्रीमात्रम्

प्रश्नपत्र नं० ४—दशोपनिषदः सभाष्याः

प्रश्नपत्र नं० ५—श्रीभाष्ये चतुस्सूत्री

प्रश्नपत्र नं० ६—विवरणप्रमेयसंग्रहः

सिद्धान्तलेशः

प्रश्नपत्र नं० ७—अद्वैतसिद्धौ मिथ्यात्वनिरुक्तिः

चित्सुखी प्रथमः परिच्छेदः

प्रश्नपत्र नं० ८—खण्डनखण्डखाद्यम् प्रथमः परिच्छेदः

[त] त्रिशिष्टाद्वैतद्वैतवेदान्तयोः—

प्रश्नपत्र नं० ३—ब्रह्मसूत्र श्रीभाष्य (अथवा अणुभाष्य अथवा निम्बाकं भाष्य) सहितम्,

प्रश्नपत्र नं० ४—न्यायामृतम्

प्रश्नपत्र नं० ५—शतदूषणी

दशोपनिषदः सभाष्याः

प्रश्नपत्र नं० ६—वेदार्थतत्त्वसारः

तत्त्वमुक्ताकलापः ।

प्रश्नपत्र नं० ७—भगवद्गीता रामानुजटीका अथवा जयतीर्थटीका
अथवा केशवकाशमीरीटीका सहिता

ब्रह्मसूत्रशांकरभाष्यम् (अध्याय १-२ पाद १-२)

प्रश्नपत्र नं० ८—निर्यायामृतम्

माधवसिद्धान्तसारः

[प] प्राचीन न्यायवैशेषिकयोः—

प्रश्नपत्र नं० ३—गौतमसूत्रं भाष्यसहितम्

प्रश्नपत्र नं० ४—वैशेषिकसूत्रं प्रशस्तपादभाष्यसहितम्

प्रश्नपत्र नं० ५—कुसुमांजलिः गव्यपद्यात्मकः

प्रश्नपत्र नं० ६—शब्दशक्तिप्रकाशिका

प्रश्नपत्र नं० ७—सामान्यनिरुक्तिगादाधरी

प्रश्नपत्र नं० ८—पञ्चता माधुरी

[य] नव्यन्यायवैशेषिकयोः—

प्रश्नपत्र नं० ३—सामान्यनिरुक्तिगादाधरी

सत्प्रतिपक्षगादाधरी

प्रश्नपत्र नं० ४—अवयवः प्रतिज्ञालक्षणपर्यन्तः

अनुमितिः (स्मृतिसंस्कारकार्यकारणभावपर्यन्ता)

प्रश्नपत्र नं० ५—पक्षताजागदीशी

तर्कमाथुरी

प्रश्नपत्र नं० ६—प्रामाण्यवाद गादाधारी

कुसुमांजलिः (हरिदासकृतटीकासहिताः)

प्रश्नपत्र नं० ७—व्युत्पत्तिवादः [प्रथमाद्वितीया]

शक्तिवादः

प्रश्नपत्र नं० ८—सत्त्वित्ति गौतमसूत्रम्

[श] सांख्ययोगयोः—

प्रश्नपत्र नं० ३—सांख्यसूत्रम् सभाष्यम्

प्रश्नपत्र नं० ४—योगसूत्रम् भाष्यवाचस्पत्यसहितम्

प्रश्नपत्र नं० ५—योगवार्तिकम्

शारीरक भाष्यम् भामती सहितम् (अध्याय २ पाद १-२)

प्रश्नपत्र नं० ६—भगवद्गीता गूढार्थदीपिकासहिता

कठश्चेताश्चतरोपनिषदौ सभाष्ये

प्रश्नपत्र नं० ७—सर्वदर्शनसंग्रहः

प्रश्नपत्र नं० ८—देवीभागवतम् (७ मस्कन्धे सृष्टिप्रक्रियावर्णनादारभ्य भक्तिमाहात्म्यवर्णनपर्यन्तम्)

श्रीमद्भागवतम् (कपिलदेवहृतिसंवादः) महाभारतम् शान्तिपर्वणि

मोक्षधर्मप्रकरणेकपिलस्यूमरश्मि संवादः)

योगवासिष्ठम् (वैराग्यप्रकरणे सर्गाः १-१६)

[ष] जैनदर्शने—

प्रश्नपत्र नं० ३—प्रमेय कमल मार्तण्ड (पूर्वाह्न)

,, ,, ४—प्रमेय कमल मार्तण्ड उत्तराह्न

,, ,, ५—अष्टसङ्की

प्रश्नपत्र नं० ६—स्याद्वादरत्नावतारिका
सम्भति तर्क (उपलब्धभांश)

“ ” ७—पंचाध्यायी

“ ” ८—षड्दर्शन समुच्चय (मणिभद्रकृत टीकासहित)

[स] धर्मशास्त्रे—

प्रश्नपत्र नं० ३—याज्ञवल्क्यस्मृतौ व्यवहारप्रायश्चित्ताध्यायी
मिताक्षरासहितौ

प्रश्नपत्र नं० ४—पराशरस्मृतेराचाराध्यायः (माधवीयटीकासहितः विष्णु-गौत-
मवसिष्ठस्मृतयः)

प्रश्नपत्र नं० ५—दत्तकमीमांसा-दत्तकचन्द्रिका च

प्रश्नपत्र नं० ६—श्राद्धविवेकः रुद्रधरकृतः शृद्धपाणिकृतो वा प्रायश्चित्तविवेकः
शूलपाणिकृतः

निर्यायसिन्धोः प्रथमः परिच्छेदः अथवा गघुनन्दनकृते स्मृतितत्वे
द्विहाह-तिथि-मलमासैकादशीशुद्ध्यान्विकृतत्वानि अथवाश्रा-
द्धचिन्तामणितिथिचिन्तामणि-विवादचिन्तामणयः

प्रश्नपत्र नं० ७—व्यवहारमयूखः दायभागो जीवमृतवाहनस्य ।

प्रश्नपत्र नं० ८—जैमिनीयन्यायमालाविस्तरः अध्यायः १-३

[ह] ज्योतिषे—

प्रश्नपत्र नं० ३:—

सिद्धान्तशिरोमणि
(गणितोपाध्याय)

प्रश्नपत्र नं० ४:—

सिद्धान्तशिरोमणि
(गोलाध्याय)

प्रश्नपत्र नं० ५:—

तत्त्वविवेक (उत्तरार्द्ध)

प्रश्नपत्र नं० ६:—

सूर्य्य सिद्धान्त

प्रश्नपत्र नं० ७:—

रेखागणित ५, ६, ११, १२ अध्याय
केतकी मूल

प्रश्नपत्र नं० ८:—

चापीयत्रिकोणमिति
त्रिकोणमिति
गोलीयरेखागणित

प्रश्नपत्र नं० ३:—

ज्योतिर्विदाभरण

प्रश्नपत्र नं० ४:—

हायनरत्न

प्रश्नपत्र नं० ५:—

बृहत्संहिता
(निर्दिष्टांश)

प्रश्नपत्र नं० ६:—

वसन्तराज

प्रश्नपत्र नं० ७:—

समस्सार
बृहज्जातक

प्रश्नपत्र नं० ८:—

जैमिनीयसूत्र
केशवी

[ह] आयुर्वेदे—

(इस विषय में १६२२ में कोई परीक्षा नहीं हुई)

इतिहास, प्राचीन लिपिज्ञान, शिलालेख विद्या ।

प्रथम प्रश्नपत्र—अशोकके पाँच शिलालेख पाँचों शिलालेख प्रतिलिपिसे पहचानने होंगे

प्राचीन भारतका इतिहास—मगध राज्यसे कुशान कालतक और इस कालका प्राचीन लिपिज्ञान ।

द्वितीय प्रश्नपत्र—गुप्त वंशके पाँच शिलालेख— पाँचों शिलालेख प्रतिलिपिसे पहचानने होंगे प्राचीन भारतका इतिहास—गुप्तकालसे मुसलमानी कालके पूर्वतक और इस कालका प्राचीन लिपिज्ञान ।

तृतीय प्रश्नपत्र—मुसलमानी काल ।

चतुर्थ „ —आंग्लकाल ।

पञ्चम „ —ग्रीस तथा रोमका इतिहास ।

२. निर्धारित पाठ्यग्रन्थ ।

Early History of India by V.A. Smith

प्राचीन लिपि—गौरीशङ्कर हीराचन्द ओझा कृत ।

अशोक प्रशस्ति—प्रिंसिपल रामावतार शर्मा, एम. ए. कृत ।

Fleet's Gupta Inscriptions

History of India (Oxford edition) by V.A. Smith.

ग्रीसका इतिहास पं० प्राणनाथ विद्यालङ्कार कृत (तरुणभारत ग्रन्थावली ।)

रोमका इतिहास पं० प्राणनाथ विद्यालङ्कार कृत ।

३. BOOKS RECOMMENDED.

शुक्रनीति

कौटिलीय अर्थशास्त्र

राजतरंगिणी

इप चरित

(त्र) प्राकृत और पाली ।

व्याकरण—

कचायण कृत पालीव्याकरण

वररुचि कृत प्राकृतप्रकाश

चंडकृत प्राकृतलक्षण

गद्य

जातक-पुष्प-माला (आर. जी. भट्टकमकर.)

उवासकदसाओ (डाक्टर हार्नलीकृत-विब्लिओथेका इण्डिकाएडिशन.)

पद्य

धम्मपद

कुमारपालचरित

दर्शन

अभिधम्मथ-संग्रह (पाली टेक्स्ट सोसाइटीका संस्करण)

The six Pahudas of Kunda Kundacoryya.

हरिभद्रकृत षड्दर्शनसमुच्चय, गुणरत्नकृत टीका सहित केवल बौद्ध और जैन विभाग
(विब्लिओथेका इण्डिका एडिशन)

E. Muller's Pali Grammar (Phonetics only).

(इ) अंग्रेजी ।

काशी हिन्दू विश्वविद्यालयका एम० ए० पाठ्य

शास्त्राचार्यपरीक्षा

१—शास्त्रिपरीक्षोत्तीर्णश्रद्धाओ वर्षद्वयानन्तरं शास्त्राचार्यपरीक्षाप्रवेशार्हो भविष्यति ।

२—वर्षद्वयं यावत् तेन शास्त्रिपरीक्षाशास्त्राणां (इंग्लिशभाषावर्जम्) अन्यतमे शास्त्रे
सम्यग्व्यवसायो विश्वविद्यालये कृत इत्येतदर्थबोधकं प्रमाणमपेक्षितम्भविष्यति ।३—प्राच्यविद्याविभागसमित्या निर्णीति कस्मिंश्चिच्छास्त्रीये विषये तेन स्वतंत्रकल्पना-
शक्तिसूचकः प्रबन्धो लेख्यः । अयम्प्रबन्धःप्राच्यविद्याविभागसमित्या निर्दिष्टेन
परीक्षकत्रयेण परीक्षिष्यते ।४—स्वप्रबन्धविषये तत्सम्बद्धविषयान्तरे च परीक्षकेच्छानुसारेण लेखपरीक्षा वाक्प-
रीक्षोभयपरीक्षा वा भविष्यति ।५—परीक्षकसमितिः प्रबन्धम्परीक्षापत्राणि च निरीक्ष्य छात्रस्य योग्यताविषये स्वम-
तनिर्णयं करिष्यति ।

६—योग्यतापत्राच्छास्त्राणाम्प्रबन्धा मुद्रयिष्यन्ते ।

धर्म-विज्ञान-विभागः

संस्कृतं देवनागरलिप्या लेखनीयम् ।

प्रवेशिका (प्राच्यविभागवत्)

मध्यमा (२ वर्ष)

प्रश्नपत्र नं० १—वाल्मीकीय रामायणम् (सुन्दरकाण्डस्य सर्गाः १६-४०)

मनुस्मृतिः (ब्रह्मचारि गृहस्थधर्मा)

रघ्वंशम् (सर्गाः १०-१५)

प्रश्नपत्र नं० २—ऋग्वेद संहिताया अष्टकानि १-४ सस्वराणि अथवा

यजुर्वेदसंहिता सस्वरा शुक्लकृष्ण काण्वानाम् अथवा

सामवेदगानम् पूर्वार्चिकम्

प्रश्नपत्र नं० ३—मनुस्मृतिः—द्वितीयोऽध्यायः

पुराणे—
 { मात्स्ये-प्रतिष्ठाकुण्डमण्डपभागौ
 महाभारते आदिपर्वा तर्गत-
 आदित्रयावतारणम्
 अथवा अंशावतरणम्

प्रश्नपत्र नं० ४—लघुकौमुदी अथवा निरुक्तम् अध्यायाः ३-५ होडाचक्रम्

प्रश्नपत्र नं० ५—गृह्यसूत्रम् (स्वशाखीयम्) मन्त्रार्थसहितम् विवाहप्रकरण

पर्यन्तम् गृह्यागः स्वशाखीयः कण्ठस्थः

षोडशसंस्कार पद्धतिः स्वशाखीयाः कण्ठस्थः

स्मृतिरत्न ।

प्रश्नपत्र नं० १—वेदऋतू (अष्टकानि १-४) सभाष्या, अथवा यजुर्वेदः (अध्याय १-२०) सभाष्यः, अथवा साम (सभाष्यम् गानम् उत्तरार्चिकम्)

प्रश्नपत्र नं० २—गृह्यसूत्रम् [स्वशाखीयम्] मन्त्रार्थसहितम् ।

„ „ ३—प्रातिशाख्यम् (स्वशाखीयम्)

सिद्धान्तकौमुदी (स्वरवैदिकी)

सर्वानुक्रमसूत्रम् ।

- ॥ ४—निरुक्तम् (अष्टाध्यायाः १, २, ६, ७)
 ॥ ५—याज्ञवल्क्यस्मृतौ आचारकाण्डम् समिताक्षरम्
 ॥ ६—पुराणे-आग्नेये-प्रतिष्ठाकुण्डमण्डप भागौ
 ॥ ७—प्रस्थानभेदौ मधुसूदनसरस्वतीकृतः
 तत्केसंग्रहो दीपिकासहितः,
 मीमांसापरिभाषा.
 ॥ ८—सायणकृत ऋग्वेदोपोद्घातः
 ॥ ९—भगवद्गीता श्रीधरीटीकासहिता,

धर्मशास्त्री ।

सर्वं स्मृतिरन्तर्ना पाप्यम्-तदतिरिक्तं चः—

- प्रश्नपत्र नं १०—(१) ब्राह्मणम् (स्वशाखीयम्) सस्वर-पाठमात्रम्
 ॥ ११—(२) दर्शपूर्णमास पद्धतिः (स्वशाखीया)
 श्रौतसूत्रम् (सोमान्तम्) स्वशाखीयम्
 ॥ १२—(३) गृह्यसूत्रम् (मन्त्रार्थ सहितम्) (स्वशाखीयम्)
 शुक्लसूत्रम्
 कुशहरतनावली
 जटापटलम्

Bachelor of Science (Engineering) 1922.**Mathematics.***(First Year.)*

A brief revision of the Inter. Science Syllabus with a more advanced treatment of certain parts will precede the following:—

The study of the graphs of the functions ax^n , ae^{bx} , $a \sin (nx+b)$, and of combinations of these. Graphical solution of equations with numerical coefficients. Maxima and minima. Slope of a curve. Graph of slope function. Determination of the equation of a given curve.

DIFFERENTIAL CALCULUS.—Limits. Differential coefficients. Rules of differentiation. Geometrical and Mechanical illustrations. Successive differentiation. Study of curves. Convexity and concavity, Maxima and minima. Points of inflexion, etc.

INTEGRAL CALCULUS.—Elementary forms of Integration Areas, Approximations. Surfaces and Volumes of solids. Centres of Inertia. Moments of Inertia. Dynamical applications.

CO-ORDINATE GEOMETRY.—Elementary introduction.

Two Dimensions.—Cartesian and Polar Co-ordinate. Equations and properties of the Straight line, Circle, Parabola, Ellipse and Hyperbola.

Three Dimensions.—Position of a point in space. Direction.—Cosines of a line.

MECHANICS: THEORETICAL.—Velocity, acceleration, relative velocity. Projectiles. Mass, momentum, force. Motion of Simple Systems. Units. Equilibrium of forces at a point. Resolution and composition of forces. Application to practical problems. Parallel Forces. Stable and unstable equilibrium.

Uniform motion in a circle. Centrifugal force. Small oscillations of a simple pendulum. Determination of "g." Laws of friction. Simple machines, with and without friction. Work. Potential and Kinetic Energy. Principle of Energy applied to simple problems. Elementary Hydrostatics. Pressure of a fluid. Archimedes' principle. Densities. Boyle's Law. Transmission of pressure through a fluid.

MECHANICS: PRACTICAL.—Construction and use of a Vernier. Vernier Callipers. Screw Gauge. Spherometer. Acceleration. Falling plate. Sphere on inclined railway. Projectile. Atwood's Machine: Impact. Flywheels; Radius of Gyration, and Moment of Inertia: Centrifugal Force. Harmonic Motion. Pendulums. Equilibrium of Co-planer Forces. Inclined Plane. Parallel Forces. Wheel and Axle. Simple machines. Hooke's Law, Young's Modulus by stretching of a wire and by flexure of beams. Specific gravities:—Hydrostatic balance. Specific gravity bottle. Nicholson's Hydrometer. Common Hydrometer. Balancing of liquid columns. Barometer. Torricelli's Theorem.

PRACTICAL GEOMETRY.—Construction of scales. Similar figures. Reduction and enlargement of figures. Construction of ellipse, hyperbola, parabola, cycloidal curves, involutes, and spirals. Envelopes. Similar curves.

General problems on points, lines and planes, with applications. Trihedral angles. Projection of regular solids in any position. Plane sections of regular solids in any position. Auxiliary plans and elevations.

TEXT BOOKS RECOMMENDED:—

A Manual of Practical Mathematics.—F. Castle.

Mathematics for Engineers, Vols. I and II.—W. N. Rose.

Differential Calculus—(smaller volume)—Edwards.

Integral Calculus. I—Edwards.

Engineering and mechanical drawing.

(First year.)

The object of the Course is to prepare the students for the more advanced theoretical lectures that are to follow, to give them that familiarity with mechanical details which is essential in order that the course in mechanical drawing may be carried out, and to give them some acquaintance with engines and boilers and with practical problems.

In order that students may, from the beginning, learn to correlate their scientific and mathematical studies with engineering problems, they will in this course be taught to make simple calculations with reference to Indicated Horse-power, Brake Horse-power, Electrical Horse-power, and Boiler Capacity.

The fundamental ideas concerning Velocity, Acceleration, Mass, Weight, Force and Energy, will be very carefully explained from an engineering point of view, and a large number of problems worked out by the students. These problems will be of a practical nature, and such as are continually occurring in every day engineering practice.

As far as possible, students in this class will be made to become familiar with parts of engines and machines by actual handling and manipulation, and great importance will be attached to sketching. Students are taught to make dimensioned sketches of important engine details.

A Sketch-book 11"×8" containing about 90 pages of thick unruled paper is required, and in this book students must keep all notes and sketches, connected with mechanical drawing, neatly entered in pencil. Clear and well proportioned freehand sketches are required.

These sketches will first be copied from wall diagrams or from simple blackboard sketches, until the students have some idea of the way in which these things are represented

by practical men. Then, fully dimensioned sketches must be made of the actual things, or of carefully constructed full size models.

The models should be handled by the students, and carefully measured by means of callipers and foot-rule. The sketches must be "practical," *i. e.*, must contain all the information that is required in order that the thing may be made. All sketches must be entirely freehand, and executed without the aid of squared paper.

The following details must be carefully studied and their utility realised:—

- (1) Different kinds of bolts, nuts and rivets.
- (2) Different rolled sections, angle, T, and channel iron.
- (3) Keys, Cotters, Split pins, and Taper pins.
- (4) Screw-threads:—Square, V, and Butress.
- (5) Different methods of locking nuts.
- (6) Withworth Standards for bolts and screws.

Also:—

All the parts of a simple steam engine and boiler.

Students must be able to name these parts without hesitation, to explain in an elementary way the function of each part, and to sketch them clearly from memory.

Mechanical Engineering.

(Introductory Course).

INTRODUCTION.—Importance to the Engineer of cultivating, from the beginning, the habit of accurate observation and memory. Vague and inaccurate ideas worse than useless. The Engineer's Note Book and how it should be kept.

THE STEAM ENGINE.—Names and functions of all the principal parts of the simple, single cylinder, non-condensing

steam engine with one eccentric and an ordinary D slide valve. How steam enters and leaves the cylinder and how the admission, cut-off release and compression are arranged for. The valve diagram and its application. Materials of which the parts are made and the methods of lubrication.

THE BOILER:—Names and functions of all the principal parts of an ordinary Vertical boiler. How steam is raised and maintained, how water is supplied to the boiler and how steam is admitted to or shut off from the engine. The safety-valve, pressure gauge, gauge glass and blow-off cocks. Arrangements for cleaning and inspection. Why the ordinary Vertical boiler is not efficient. Suggestions for improvement. Circulation, radiation and conduction. Combustion and economy of fuel.

STEAM:—Physical properties of steam; the relation between temperature and pressure. Sensible and latent heats. Steam tables and how to use them. Saturated, dry, wet and superheated steam.

FORCE:—Units of force, parallel forces. Parallelogram and triangle of forces. Centres of gravity. Resultant and component forces. Practical applications. Bow's notation applied to simple framed structures. The inclined plane.

MOTION:—Speed, velocity, acceleration. Angular velocity and angular acceleration. Mass and momentum. Mass and acceleration. Engineer's units. Simple Harmonic motion.

WORK:—The diagram of work. The principle of work and its application to simple machines. Friction and efficiency. Friction and lubrication. Joule's equivalent. Work done in the cylinder of a steam engine. Advantage of early cut off and expansion. Work done by pumps and motors.

POWER:—Work done in a given time. The unit of power. The indicated horse-power of an engine. Transmission of motion and power by belts and spur gearing. Brake horse-

power and mechanical efficiency of an engine. Meaning of the expression "horse-power hour." Pounds of steam and coal per horse-power hour.

ELECTRICAL AND MECHANICAL UNITS:—Units of work, power and supply. The relation between the Mechanical and Electrical units and problems involving a knowledge of that relationship.

ENERGY:—Definitions and calculations. Potential and Kinetic Energy.

FLYWHEEL AND GOVERNOR:—The function and operation of each.

MATERIALS:—Stress, strain and modulus of elasticity. Materials in tension, compression and in shear. Elastic limit, yield point and breaking stress. Working stresses and factors of safety. Strength of thin cylinders. Riveted joints. Bending and bending moments. Modulus of a section and strength of a beam. Twisting and torque, Strength of a shaft subjected to a pure twist. Physical properties and constants of wrought iron, cast iron, mild steel, hard steel, copper and its common alloys.

HYDRAULICS:—Press, Jack and Accumulator. Reciprocating pumps, suction and delivery. Lift pumps and force pumps. The Pelton wheel.

TEXT-BOOKS—

Elementary Applied Mechanics.—Morley Inchley.
Steam and other engines.—J. Duncan.

Mechanical Drawing.

How to point pencils for sketching and for drawing. The use of drawing instruments, dividers, compasses, T squares, set squares, drawing pens and of the scales required for mechanical drawing. The use of these instruments, as

well as the printing required, will be taught incidentally as the course proceeds. All printing, including the figured dimensions, to be very clear and distinct.

ACCURATE CONSTRUCTION OF THE FOLLOWING SCALES: Three-quarters, half, and one-quarter full size, the smallest scale graduation in each corresponding to $\frac{1}{8}$ of an inch. A diagonal scale to show eighths and sixty-fourths of an inch.

SIMPLE PROJECTION:—Projection of lines, simple plane figures and solids. Plane sections of a cylinder and of a cone.

The construction of a square threaded screw and a section through the corresponding nut. "Double threaded" screws.

Standard screw threads, and the conventional methods of representing them.

Rivets, bolts, studs, nuts, and set screws. Keys and key ways, feathers. Flange and muff couplings. Design of a cast iron flange coupling for a shaft. Design of the flange, cover, and studs for a small steam engine cylinder. Design for at least one type of stuffing box.

Design of simple riveted joints (lap and butt):—(a) for a tie bar; (b) for a boiler.

Design of simple bearing for a shaft.

As large a number of examples as possible to be worked out and drawn to scale. The dimensions to be always calculated wherever possible, and not merely copied.

Students are expected to become practically acquainted with the things they draw. It is extremely important that students should bear in mind that the purpose of a mechanical drawing is to represent an object so that that object can be made. Pretty pictures are not required, but clear and accurate drawings from which all the dimensions and materials used can be easily determined. In other words, "working" draw-

ings are required and no credit will be given for drawings that are not “working” drawings, however beautifully they may be finished. Complicated and difficult drawings are not required in this course, but extreme accuracy is essential, and all calculations must be shown.

Text-books Recommended:—

Elementary Applied Mechanics.—Morley Inchley.

Steam and other Engines.—J. Duncan.

Machine Construction and Drawing.—F. Castle.

B. Surveying and Plotting.

Lectures and Plotting—60 hours.

Field Work—30 hours.

Scales and systems of measurement connected with surveying.

Conventional signs used when plotting. Areas, prisms, prismoids, pyramids. Applications of geometry and trigonometry.

Enlarging and reducing maps. Plotting from field notes.

Plotting traverse by protractors, chords, and rectangular co-ordinates.

The Chain, and methods of carrying out a chain survey.

Ranging rods, offsets, cross-staffs, and optical squares.

The Prismatic compass. The plane table.

Levelling, use and adjustment of the Y level, the Dumpy level and at least one other form of spirit level.

Flying levels. Bench marks. Check levelling. Keeping the level book.

Reduction and checking of level readings.

The Theodolite, its use in measuring angles in azimuth and altitude, open or closed traverse, and railway curves.

Building and Building Materials.

(First Year.)

TIMBER.—Characteristic properties and means of preservation of timber used in construction. Defects in timber and characteristics of good timber.

WOODWORK.—Joints used in woodwork.

PAINTS AND VARNISHES.

BRICKS.—Characteristics of good bricks. Standard size of bricks.

BRICK-WORK.—Bonds. English bonds. Damp-proof courses. Cornices.

STONE-WORK.—Joints. Varieties of walling.

LIMES, CEMENTS MORTARS.—Different kinds of sand, mortar, lime, and cement; preparation and mixing of mortars; strength of mortar; precautions in using.

CONCRETE.—The matrix, the aggregate, the proportion of ingredients, mixing and laying, use of concrete, re-inforced concrete.

BUILDING.—Selection of site, foundations, preparation of foundation bed. Benching out. Breadth and form of foundation. Earth filling. Plinth. Thickness of wall.

Openings and arches in wall. Fixing doors and window frames.

FLOORS.—Brick on edge, stone, patent stone, terrace.

ROOFS.—Trusses of wood and iron. Coverings. Terrace roofs.

DRAWING.—Of a simple building from measurement.

Engineering Chemistry.

(First Year.)

The object of this course, as of the "Engineering Metallurgy" course, is to supply rudimentary information concerning the chemical properties of the materials commonly employed in Building Construction and Equipment, and in Machinery Construction and Operation, so that these materials might be used more intelligently, and therefore to better advantage. The materials will not be considered from the manufacture's standpoint but from that of the user. It is not possible to divorce entirely the discussion of the properties of any material from the discussion of the methods of its manufacture, but the latter will not be emphasized or presented in detail. This course supplements, and is supplemented by, the Engineering Metallurgy course, and the division has been made chiefly for reasons of convenience. Previous knowledge of Elementary General Chemistry will be assumed.

(1) A BRIEF RECAPITULATION OF THE FOLLOWING:—

Chemical and Physical changes. Chemical compounds and mechanical mixtures. Chemical affinity. Conditions of chemical action. Oxygen, Hydrogen, and Water. Oxidation and reduction. Combustion. Thermo-chemistry. Combining or equivalent weights. The atomic theory. Multiple proportions of atomic weights. Molecules and molecular weights. Valence. Radicles. Chemical equations and calculations. Metallic and non-metallic elements. Acids, bases, and salts. Carbon. Organic Chemistry. Nitrogen. Sulphur. Phosphorus, Silicon and Silicates, Calcium, Magnesium, and Iron.

(2) WATER FOR STEAM GENERATION.

Sources. Impurities commonly present and their properties. Temporary and Permanent Hardness. Effect of impurities. Production of scale, corrosion, and foaming, and conditions governing them. Treatment of boiler waters. Cold-water softening. Hot-water softening. "Boiler compounds." Select methods of analysis of water and of boiler-scale. Calculations of chemicals required for softening.

3. FUELS:—Principles of Combustion. Conditions necessary for complete combustion. Smoke production. Surface combustion. Calorific power and calorific intensity of fuels. Their calculation and experimental determination (calorimetry and pyrometry). Solid fuels—wood, charcoal, coal and coke. Spontaneous combustion in stored coal. Liquid fuels—the petroleum products. Gaseous fuels—producer gas, water gas, blast-furnace gas, coal-gas, oil-gas. Thermal efficiency. Sampling and chemical analysis of solid and gaseous fuels, and of flue gases.

4. REFRACTORY MATERIALS:—General requirements. Acid, basic and neutral refractories.

5. BUILDING STONES:—Durability, Discoloration and Fire-resistance. Stones of igneous origin—granites, and traps. Stones of sedimentary origin—slates, sand-stones, lime-stones and marbles.

6. LIME AND GYPSUM PRODUCTS:—Lime—its manufacture and properties. Slaking. Hydraulic limes. Lime-sand mortar. Gypsum Products—Plaster of Paris, Stucco, Cement Plaster, Flooring Plaster. Hard Finish Plaster.

7. PORTLAND CEMENT:—Manufacture and composition. Setting and hardening. The Colloidal theory. Rate of hydration and development of strength. Retardation of set by gypsum, and by aeration. Effect of fineness and other factors on setting and hardening. Action of destructive agents. Testing of cement. Concrete.

8. CLAY AND CLAY PRODUCTS:—Sources, composition, and properties of clay. Clay for bricks. Brick-making. Terra-cotta. Tiles.

9. PAINTS AND VARNISHES:—Paint materials—Paint pigments. Paint and Varnish Oils. Examination of oils and fats. The Drying oils and Drivers. Solvents and diluents. Paints—General requirements; single pigment and composite paints, paints for metals, corrosive and anti-corrosive pigments. The Varnishes. The Varnish resins. Spirit varnishes. Lacquers. Japans and Enamels. Oil varnishes. Wood stains. Wood fillers.

10. LUBRICANTS:—Fundamental requirements. The mineral lubricating oils—destructively distilled and steam distilled. The fatty oils. Greases. Examination of lubricants. Selection of lubricants. Cooling liquids and lubricants for cutting tools.

11. GLUE:—Colloidal state of glue and gelatine. Commercial forms and grades of glue. Glue testing. Selection of glue for wood joints. Preparation of glue solutions for use.

12. RUBBER:—Source and treatment of crude rubber. Vulcanising. Other materials used in rubber. Properties of soft vulcanised rubber. Ebonite or hard rubber. Synthetic or artificial rubber. Rubber substitutes.

Engineering Metallurgy.

The object of this course, as of the "Engineering Chemistry" course, is to supply rudimentary information concerning the chemical and metallurgical properties of the materials commonly employed in Building Construction and Equipment, and in Machinery Construction and Operation, so that these materials might be used more intelligently, and therefore, to better advantage. The materials will not be considered from the manufacturer's standpoint but from that

of the user. It is not possible to divorce entirely the discussion of the properties of any material from the discussion of the methods of its manufacture, but the latter will not be emphasized or presented in detail. This course supplements, and is supplemented by, the Engineering Chemistry course, and the division has been made chiefly for reasons of convenience. Previous knowledge of Elementary General Chemistry will be assumed.

1. GENERAL:—General discussion of the nature and objects of metallurgical processes. Chief physical properties of metals and alloys. General properties of fluxes and slags.

2. IRON AND STEEL:—Production of pig iron. Cast iron. The solution theory of cast iron. The effects of silicon, sulphur, phosphorous and manganese on cast iron. Composition and properties of cast iron. Malleable cast iron. Wrought iron. Wrought iron compared with low-carbon steel. Carbon steel. Bessemer steel. Open-hearth steel. The acid process. The basic process. Cement or blister steel. Crucible steel. Electric refining of steel. Comparison of steels. Constitution of steel. The constituents of hardened and tempered steels. Characteristics of the constituents of steels. Processes of hardening add tempering. Case hardening. Alloy steels—their structure and properties. Types of alloy steels. Self-hardening steels. High-speed tool steel. Corrosion of iron and steel. Composition bulk, and weight of rust. Theories of corrosion—the carbonic acid theory and the electrolytic theory. Factors affecting the rate of corrosion. Protection of iron and steel from corrosion.

3. THE NON-FERROUS—The chief properties and uses of the following metals, together with very brief accounts of the processes of their manufacture:—

Aluminium. Copper. Zinc. Tin. Lead. Bismuth. Antimony. Nickel. Manganese.

4. THE NON-FERROUS ALLOYS—Solid solutions. Eutectics. Liquation. Reasons for alloying metals. The preparation

of alloys. The crystalline structure of alloys. Brass. Delta Metal. German silver. Monel metal. Bronze. Special bronzes. Bearing alloys. Type metal. Solder—composition and properties, plumber's solder, aluminium solder, care of solder. The use of fluxes in soldering. Cleaning metal surfaces.

5. FOUNDRY SANDS—Moulding sands—their grades, cohesiveness, refractoriness, texture, permeability and porosity, durability, chemical composition and mineral composition. Core sands. Parting sand. Foundry facings. Core binders—dry and liquid.

Physics.

FIRST YEAR.

A brief revision of the subjects dealt with in the Intermediate Science Course, with a more advanced treatment of certain parts especially with reference to practical applications.

HEAT—Construction and calibration of thermometers. The gas scale. Quantity of heat. Specific heats of solids, liquids and gases. Calorimetry. Change of State. Latent heats of fusion and evaporation. Vapour pressure and its variation. Transfer of heat. Conduction, convection, and radiation. General behaviour of vapours. Saturation pressures and change of boiling points. Freezing curve for salt solutions. Freezing curve for alloys. The eutectic line. Determination of the Mechanical Equivalent of heat. The ideal heat engine. Thermal efficiency.

MAGNETISM.—Properties of magnets. Magnetic induction. Magnetic field. Methods of making magnets. Laws of magnetic force. Unit pole. Intensity of magnetic field, and of Magnetization. Magnetic moment. The earth's magnetic field, direction, and intensity. Lines of force and their properties. Definition of Gauss, Maxwell and Gilbert Magnetic flux.

ELECTRICITY—Phenomena of electrified bodies. Law of charge. Conduction and insulation. Electrification by induction. Faraday's ice pail experiment. Electrophorous. Explanation of terms. Circuit, Generator, Switch, Ampere, Absampere or Statampere. Ohm. Volt. E. M. F., and P. D., Watt, Joule, Series Circuit, Parallel Circuit. Electric field and Intensity. Law of Electric Force. Elementary theory of Potential. Electric Current. Direction of Current. Description of Common forms of Leclanche, Bichromate, Daniell, and dry cells. Heating, Chemical and magnetic effects of a current. Field of linear and circular currents, Solenoid.

Work done by an Electric Current, Joule's Law, Ohm's Law, Resistance of wire and Conductor, effect upon the resistence of Length. Cross-Section. Material and Temperature.

Description of Sine, Tangent, Astatic and Mirror Galvanometers. Ammeters, Voltmeters and Electrometers. Ohmmeter, Wattmeter, Joulemeter, Potentiometer and Kelvin's Balance.

BOOKS RECOMMENDED:—

- (1) David and Hutchinson's Technical Electricity.
- (2) G.D. Aspenall Parr's Electrical Engineering Testing.
- (3) Lecture notes.

Experiment on Magnetism and Electricity.

FIRST YEAR DEGREE.

- (1) Measurement of H.—the Horizontal Intensity of the Earth's Magnetic field.
- (2) Variation of magnetic field along the axis of a circular coil.

- (3) Heating effect of current—verification of Law $I^2 = a(d)^2$. Determination of Temperature Rise in windings by the Increase in Resistance. (6k).
- (4) Determination of Electro-Chemical equivalent of an element and the reduction factor of a Galvanometer.
- (5) Measurement of high resistance.
- (6) Measurement of very high or insulation resistance of cable appliances and installations.
- (7) Measurement of Low Resistance.
- (8) Calibration and other experiments with students Potentiometer. Determination of Conductivity. (31k).
- (9) Standardization of Ballistic Galvanometer including variation of k with resistance.
- (10) Testing lightning Conductors.

Degree Course.

(*Second Year.*)

This Course leads up to the Intermediate Examination in Engineering, Part II.

Mathematics.

Revision and more advanced treatment of parts of the First Year Syllabus, with examples and illustrations of special importance to Mechanical and Electrical Engineers.

DIFFERENTIAL CALCULUS (CONTINUED).—Hyperbolic Functions. Successive Differentiation. Theorem of Leibnitz. Slope and Point of Inflection. Maxima and Minima. Evalua-

tion of "Indeterminate" forms. Partial Differentiation. Elements of Curve Tracing referred to rectangular co-ordinates. Tangents. Normals. Subtangents Subnormals. Asymptotes. Curvature *Applications to Engineering Problems.*

INTEGRAL CALCULUS (CONTINUED).—Definite and Indefinite Integration. Integration by parts. Rational Fractions. Formulæ of Reduction. Applications. Differential equations of the First Order and First Degree. Linear differential equations with constant coefficients. Integral Curves with applications to Mechanics. Successive Integration. Double and Treble Integrals with practical applications. Practical problems involving differential equations.

MECHANICS.—Composition of Velocities. Motion of Projectiles. Uniplaner Kinematics. Instantaneous Centre. Body and space Centroides. Motion of a particle. Differential Equations of Motion. Constrained motion of a particle. Moments of Inertia. Momental Ellipse. Determination of the Principal Axes of Inertia of an Unsymmetrical Plane Figure. Motion of a rigid body about a fixed axis. Pressure on the axis. Energy of a body moving in any manner in a plane. Applications of the Principles of Energy and of Momentum. Angular Velocity as a Vector quantity. Parallelogram of Angular Velocities and of Angular Accelerations. Angular velocity about a moving line. Angular Momentum as a vector quantity. Introduction to the theory of Spinning Tops and Gyroscopes with easy examples. Combined Rotation and Translation. Centre of Percussion. The Connecting Rod of an Engine.

THERMODYNAMICS — Thermal capacities. Heat and energy. The Kinetic theory of gases. Isothermal and Adiabatic Expansion. Ratio of Specific Heats. The fundamental equations for a Perfect Gas. The Ideal Heat Engine. Reversible Cycles. Carnot's Cycle. The Second Law of Thermodynamics. Carnot's Theorem. Lord Kelvin's Absolute Scale of Temperature. Entropy. Temperature-Entropy diagrams. The *theta phi* diagram for water and steam.

Text books recommended:—

Mathematics for Engineers. Vol. II—W. N. Rose.

Applied Mechanics.—D. A. Low.

Theory of Heat Engines.—Inchley.

Applied Mechanics for Engineers.—Duncan.

Engineering and Mechanical Drawing.

A. HEAT ENGINES.

(*Second Year.*)

STEAM POWER.—General description of a steam plant. The Indicator Diagram and Indicated horse-power. Brake horse-power. Absorption and transmission dynamometers. The relation between mechanical and electrical power units. Mechanical efficiency. Thermal efficiency. The laws of Thermodynamics.

STEAM BOILERS.—The principal types of modern boiler. Cornish and Lancashire Boilers with details of construction and mountings required for their safe working. The combustion and Economy of Fuel. Chimney Draught. Forced Draught. Induced Draught. Care and management of boilers. Repair of boilers. Boiler efficiency. Furnace efficiency. Efficiency of transmission. Coal, its composition and calorific value. Liquid fuels. Experimental and analytical determination of calorific values. The adaptation of boilers to different kinds of solid and liquid fuels. Economizers and Superheaters. The feed water and feed pumps. Feedwater Filters. The Injector. Strength of boiler shells. Riveted joints. Strength of gussets, stays, flues, furnaces, domes, and flat surfaces. Steam Pipes. Safety Valves. Openings in boiler shells. Board of Trade Regulations and Lloyd's rules for survey and construction of boilers.

STEAM ENGINES.—Modern forms of steam engine. Cylinders and their fittings. Pistons, Piston Rods and Crossheads. Connecting Rods and Shafting. Guides, Main Frames and Bearings. The Slide Valve and its motions. Valve diagrams. The Valve diagram with corrections for obliquity. The Valve Ellipse. The Bilgram Diagram. The relation between the Valve diagram and the Indicator diagram. The Diagram Factor. Stephenson's link motion. The Meyer Expansion Valve. The principle underlying Radial Valve Gears. The Compound Steam Engine. The Combined Diagram. The Triple Expansion Engine. The Condenser, Air Pump, and Circulating Pump. Steam Exhaust and Drain Systems. The Governor and the Flywheel.

GAS AND OIL ENGINES.—Gaseous Fuels. Liquid Fuels. Gas Producers and Vaporisers. Suction Gas Plants. General description of a Gas Engine. Engine bed and cylinder, piston, crank and connecting rod. The Valves and the methods of operating them. The Governor and Flywheel. Ignition systems. Starting arrangements. Cooling water. Pipe connections. Silencer. Lubrication. Foundations. Different systems of Governing.

OIL ENGINES:—Carburetters, Vaporisers, Oil Pumps. Different types of Oil Engines. The Four Stroke and the Two Stroke Cycle. Automobile Motors. The Humphrey Gas-Pump.

B. APPLIED MECHANICS.

(Second Year.)

INTRODUCTION:—Divisions of the subject. Bibliography. Various values of important constants. Practical methods of measuring lengths, constants, areas, volumes and angles. Limits of accuracy. The manufacture and use of Gauges. Limit Gauges. Testing a flat Surface. Screw testing. Ball Gauges. Inspector's Gauges. Reference Disks. Dial Gauges. Text Indicators. The Microscopic Measuring Machine. The Tacheometer. The Pressure Gauge.

FORCE:—The Engineer's idea of Force. The measurement of Force. Resolution of Forces. Moments of Forces. Some practical applications of Forces and Moments. Graphics. Forces represented by lines. Bow's Notation. Forces in Framed Structures. The Funicular Polygon. Moments and Centroids. Bending moment and Shearing Force diagrams.

FORCE, MASS, AND MOTION:—Velocity and Acceleration Relations of Force, Mass and Motion. Engineer's Units. Impulsive Forces. Angular Velocity and Acceleration. Angular Momentum. Simple Harmonic Motion. Centrifugal Force. Balancing. Governors. Graphical Solution of problems. Velocity and Acceleration Diagrams.

WORK, ENERGY, AND POWER:—Work in lifting, translation, and rotation. Work represented by an Area. The Indicator Diagram. The principle of Work as applied to a Machine. The effect of Friction. The relation between the load, effort, friction and efficiency of a Machine. Curves of Efficiency. The relation between Work, Energy and Power. Potential and Kinetic Energy. The Kinetic Energy of a Rotating Body. The Flywheel. Power. The relation between Mechanical, Thermal, and Electrical Units of Work, Power and Energy. Loss of Power at Bearings and Journals. Power and Efficiency of Engines. Pumps, Motors, and Dynamos. Dynamics of the Steam Engine.

FRICTION AND LUBRICATION:—Laws, experiments, and results. Relations between the Forces acting on a Sliding Body. Efficiency of the Inclined Plane, and Screw. Friction of Pivots and Collars. Schiele's Pivot. Tower's experiments. Friction of an axle. Friction Axis of a Link. Work lost in Friction in Journal Bearings. Methods of Lubricating Bearings. Pad, bath, ring and splash lubricator. Goodman's experiments. Rolling Friction. Ball bearings. Roller bearings. Friction of Belts.

TRANSMISSION OF MOTION AND POWER.—Belts, Ropes, and Spur Gearing. Wheel Trains. Mechanisms peculiar to

Lathes, Milling Machines, Shaping, Planing, and Slotting Machines. Bicycles and Motor Cars.

STRENGTH AND ELASTICITY OF MATERIALS.—Simple Strains and Stresses. Beams and Bending. Deflection of Beams. Columns and Struts. Behaviour of Materials in the Testing Machine. Torsion of Shafts.

HYDRAULICS.—Pressure on an immersed surface, buoyancy, density. Hydraulic Press and Jack. Hydraulic Accumulators, Lifts and Cranes. Suction, single and double acting Force Pumps. Flow of water through orifices, pipes, and channels. Water Wheels, Centrifugal Pumps, and Turbines.

C. PRACTICAL GEOMETRY.

(Second Year)

INTRODUCTION.—Scales. Slide Rule. Vernier. Computation of Areas, Volumes, and Weights. Use of the Planimeter. Works Diagrams. Indicator Diagrams. Energy Charts. Geometric loci. Tangents and Normals. Mechanism paths. Vector Summation. Horizontal and Metric Projection. Tangent and intersecting Surfaces of Solids. Copying Processes.

CAMS.—Cam design. Cams to lift with uniform velocity. Cams to lift with uniform acceleration, Special Cams. Conditions for quiet running.

TOOTHED CIRCULAR WHEELS.—Shapes of Wheel Teeth. Spur Gearing. Pin Wheels and Racks. Chain Wheels. Bevel Wheels. Conditions for accuracy and smooth running.

VALVE DIAGRAMS.—The Reuleaux, Zeuner, and Bilgram Valve Diagrams. The Valve Ellipse. The Meyer Expansion Valve. Stephenson's Link Motion.

DYNAMICAL PROBLEMS.—Effort, acceleration and velocity diagrams. Simple harmonic motion. Relative motion; velocity and acceleration diagrams of various mechanisms. Piston

Velocity and acceleration diagrams. Piston and crank effort diagrams.

GRAPHIC STATICS.—Composition and resolution of forces acting in one plane. Moments and Couples. The Link, Polygon. The Suspension Bridge. Determination of centroids and moments of Inertia of plane areas. Classification of braced structures. Force diagrams for simple non-redundant structures of two and three dimensions. Roof Trusses due to Dead Loads and to Wind Pressure. Braced Cantilevers. Bending Moment and Shearing Force diagrams for straight beams under various modes of loading.

D. Mechanical Drawing.

SECOND YEAR.

INTRODUCTION.—Strength and nature of materials used in Machine Construction. Strains and stresses. Elasticity and Elastic Limit. Effect of Live Loads. Factor of safety. Cast Iron. Malleable Cast Iron. Chilled Castings. Wrought Iron. Steel. Varieties of Steel. Case Hardening. Tempering and Heat Treatment of Steel. Copper. Alloys of Copper. Bronze. Or Gun-metal, Phosphor-Bronze. Manganese-Bronze. Brass. Muntz Metal. Naval Brass. "White" metals. Wood.

MACHINE AND ENGINE DETAILS.—Preparation of complete working drawing and specification, from sketches and notes obtained by actual observation, investigation and measurement of details.

Study of proportion in machine details, by observation, calculation, and measurement. Keys and Cotters. Pipes and and Pipe Joints. Shafting and Shaft Couplings. Pedestals and Plummer Blocks. Hanger Brackets. Wall Boxes and Footstep. Counter shaft Pulleys and Speed Cones. Spur and Bevel Gears. Lubricators. Cranks. Crank Shafts and Eccentrics. Piston and Piston Rods. Cross-Heads and

Guides. Connecting Rods. Stuffing Boxes. Valves, Valve Rods. Eccentric Rods and Links.

STEAM BOILERS—Iron and Steel suitable for boiler construction. Strength of Cylindrical Boiler Shells. Cylindrical Furnaces. Modern Furnaces for high pressures. Resistance to collapse. Experiments by Lloyd's Registry and the Board of Trade. The Fox, Purves, Morrison and Deighton Furnace. Flat Surfaces. Bolts and Stays. Diagonal Stays. Palm Stays and Gussets. Tube Plates. Tubes. Stay Tubes. Grate Area and Heating Surface, and Steam per lb. of coal. Openings in Boiler Shells. Steam Domes. Manholes and Doors. Riveting. Zig-zag riveted and Chain riveted Joints. Single, Double, and Treble riveted Lap and Butt Joints. Efficiency of Riveted Joints. Graphical methods of design. Lever, Dead Weight, and Spring Loaded Safety Valves. Steam Pipes and Stop Valves. Feed Pipes, Economisers, Filters and Feed Pumps.

SIMPLE STEAM ENGINE—Determination of the general dimensions for a simple, single cylinder, steam engine, given the Indicated Horse-power, Speed, and Boiler Pressure.

FINISHED DRAWINGS—Students are expected to prepare, from their own sketches and notes, complete working drawings and specifications of some simple type of boiler with all its mountings and fittings, and also of a single cylinder steam engine. The engine may be a horizontal or vertical type, but all the dimensions must be carefully calculated, and the calculations handed in with the drawing. If the sketches used are from an existing steam engine, the dimensions must be checked and compared with those obtained by calculation.

TRACING AND BLUE PRINT.—All drawings well, in the first instance, be neatly and accurately finished in pencil. These pencil drawings will be traced by the student and blue print taken on Ferro-paper prepared by the student himself.

NOTE BOOK—Great importance is attached to the student's sketch-book in the class. It will be examined periodically.

and marks awarded. No drawing will be considered if the corresponding sketches are not found, together with other necessary particulars, in the student's own note book.

Electrical Engineering.

SECOND YEAR.

PRINCIPLES OF ELECTRIC AND MAGNETIC ACTION AND MEASUREMENT—Attractive Force of Magnets. Force between Current and Magnet and between two Current Carrying Conductors. Exciting Force and Resulting fields. Application to Dynamos. Self-Induction Capacity. Ohm's Law. Wheatstone Bridge. Induced E. M. F. and applications of Dynamos.

ELECTRIC AND MAGNETIC PROPERTIES OF MATERIALS.

- (a) ELECTRIC PROPERTIES OF MATERIALS.—Conductors and Insulators. Insulating Materials. The Insulation of wires and cables. The effect of moisture and heat on conductors and insulators. Resistance Specific Resistance and Temperature Coefficient of Conductor. Heating of single conductors and coils. Construction of Resistance. Hysteresis and Eddy Current Losses.
- (b) MAGNETIC PROPERTIES OF MATERIALS.—Magnetic quality of iron. Permanent Magnets and Electromagnets. Residual Magnetism. Permeability, Laws of Magnetic Circuit and calculations thereon.

CONTINUOUS CURRENT.—Generation by mechanical, thermal and chemical means.

DYNAMO ELECTRIC MACHINES.—Physical principle and essential parts of both Generators and Motors. Continuous current Dynamo Electric Machine, Series, Shunt and Compound winding. Ring and Drum armatures. Two-pole and Multipolar Fields. Starting and Regulating Appliances. The Magnetic Field of Dynamo Electric machines.

THE MANAGEMENT OF ELECTRICAL MACHINERY—Installation of Generators. Electrical Connections and Operations of Electrical Motors.

ELEMENTARY ALTERNATE CURRENT PRINCIPLES:—Graphical representation of an A. C., Frequency, Phase and effective value of current and voltage,

BATTERY:—Design of a battery house. Setting up a Secondary Battery. Management of a Secondary Battery. Its care and daily attendance.

ELECTRIC LIGHTING:—Main Switch. Switchboard, Distributing Boards and Branch Switches. Main Cut-outs and Fuse-boards. Arc Lamps. Mechanisms and Principles involved in their use and testing. Ceiling-roses and wall-plugs. Incandescent Lamps, their life, efficiency and cost. Pendants, Electroliers, Wall-Brackets and general fitting cables, Casing and Running the wires. Arranging the Circuits. Proper size of wires for a given number of lamps. Testing the Wiring Electric Fittings. Wiring Rules and Regulations. Private Installation Work.

Testing and Locating troubles in direct Current machines.

LIGHTNING CONDUCTORS:—Setting up and testing.

Books Recommended:—

1. Ibbetson's Electric Wiring.
2. Maycock's Electric Lighting and Power Distribution, Vols. I and II.
3. Management of Electrical Machinery.—Crocker and Wheeler.
4. Continuous Current Electrical Engineering by W. T. MacCall.
5. Lecture Notes.

Experiments in Electrical Engineering.

(Second Year Degree.)

- (1) Experimental Study of a Magnetic Circuit.
- (2) Measurement of Magnetic Permeability.
- (3) Determination of the Relative Magnetic Qualities of Different Samples of Magnetic Materials.
- (4) Measurement of Magnetic Hysteresis.
- (5) Measurement of Capacity of Condensers.
- (6) Experimental Determinations of Leakage Absorption and Residual Charge in Condensers.
- (7) Experimental Study of Growth of Current in Inductive and Condensive Circuits.
- (8) Measurement of Self and Mutual Inductance.
- (9) Determination of the Laws of the Combination of Self Inductances in Parallel.
- (10) Determination of Impedance and Reactance.
- (11) Impedance of a Circuit containing Resistance, Inductance and Capacity in Series.
- (12) Impedance of a Circuit containing Resistance, Inductance and Capacity in Parallel.
- (13) Locating Troubles in D. C. Machines.

Strength of Materials.

(Third Year and Fourth Year).

INTRODUCTION :—Mechanical properties of metals. Elastic Limit and yield Point. Ductile Strains. Actual and Nominal Stress. Effect of shape of test piece. Raising Elastic Limit by Strain, Hysteresis. Hardening and Annealing. Influence

of Rate of Loading. Compression. Fractures. Effects of temperature. Stress due to temperature changes. Factors of safety.

ELASTIC STRESS AND STRAIN:—Moduli of Direct, Transverse, and Cubical Elasticity. Poisson's Ratio. Relation between the Elastic Constants. Resolution of Stress. Ellipse of Stress. Principal Planes. Principal Stresses and Strains.

VARIABLE LOADS:—Resilience. Effect of Repeated Stresses. Live Loads. Resistance to shock, Fatigue. Experiments of Wohler, Reynolds, Smith, Stanton, Bairstow and others, with deductions. Factors of safety.

BENDING:—Moments of Resistance. Relations between Stress, Curvature, Slope, and Deflection. Diagrams of Contraflexure. Relations between Bending Moment and Shearing Force. Longitudinal Shear. Mohr's diagrams. Graphical Methods of determining the Moment of Resistance of irregular sections and Heterogeneous section. Ferro Concrete beams and slabs. Bending beyond the elastic limit. Modulus of Rupture. Built in and continuous beams. Symmetrical and Unsymmetrical Loading. Beams of varying cross-sections. Carriage springs. Secondary effects of bending. Resilience of beams. Deflections from resilience. Transverse Curvature. Deflections due to shearing. Deflection. Curve for a Beam of vary section loaded in any manner and continuous over a number of supports. Strength of Wheel Teeth. Strength of Propeller Blades.

TWISTING.—Relation between Twisting Moment, Angle of Twist and Shearing Stress. Effects of Overstrain. Shafts of Section other than Circular. Combined Twisting and Bending. Effect of End Thrust. Torsional resilience. Helical spring, close coiled and open coiled.

DIRECT AND BENDING STRESSES.—Long and short columns. Euler's Gordon's, Rankine's and Fidler's formulæ for long Columns. The Moncrieff Formulæ. Effects of Eccentric

loading on short and long columns and tie rods. Struts and rods with lateral loads. Use of strut formula and comparison with experiments.

STRESS IN CYLINDERS AND SHELLS.—Strength of Thin Pipes and Cylindrical Shells. Thick Cylinders. Variation of Stress in a Thick Cylinder. Cylinders shrunk together. Wirewound Cylinders. Rotating of wheel rim.

BENDING OF CURVED BARS.—Stress in Hooks, Rings, Chain Links, Flat Spiral Springs, Arched ribs with three and with two hinges. Fixed ribs. Temperature stresses. Hanging wires and chains.

PRACTICAL TESTING—Commercial tests of iron, steel, brass, copper, cement, stone, brick, and timber. Tests to be carried out according to the British and other standard specifications, and the results compared with the requirements of those standards.

Determination of Strength and Elastic Constants and the variation of these with rate of loading, temperature and mode of application of load. Fatigue of Metals. Single bend tests. Hardness tests. Impact tests. Testing of long and short columns. Shearing tests. Torsion tests. Use of Extensometers and Autographic Recorders. Tension and Torsion of wire and wire ropes and chains.

Theory of Structures and Structural Design.

(Third Year and Fourth Year).

INTRODUCTION.—Classification of Braced Structures. Loads and Working Stresses. Stress Diagrams for Framed Structures. Wind Pressure. Method of Sections. Live Loads. Factor of Safety.

BENDING MOMENTS AND SHEARING FORCE.—Diagrams for both Dead and Rolling Loads. Application to Traction

Engines, Locomotives and Trains. Equivalent Distributed Load. Continuous and Fixed Beams. Characteristic Points.

COLUMNS AND STRUTS.—Practical considerations in selecting Type of Column. Practical details of connections. Caps and Bases. Column Foundations. Practical application of Formulæ to the design of Columns and Struts. Live Loads on Columns. Rivet pitch in built up columns.

ROOFS AND ROOF TRUSSES.—Forms of Roof Trusses. Roof Coverings. Procedure in Designing a Roof; Spacing of Principals, Loads, Reaction Stress Diagrams. Wind Bracing, Wind Screen. Detailed Design of Members, Details of covering.

BEAMS AND GIRDERS.—Beams and Rolled Joists, Channels, and Plates. Parallel Plate Girders and Girders of Variable Depth. Design of a Plate Girder; Booms, Web Plates, Stiffeners, and Bearings for Girders. The Plate Girder Bridge. Connection of Cross Girders to Main Girders. Systems of Flooring.

DESIGN OF BRACED STRUCTURE.—Types of Open or Web Girders. Counterbracing. Design of Railway Bridge; Booms, Joints in Boom Plates, Riveting in the Booms, Web Bracing. End Posts and Bearings, Floors and Rail Bearers, Wind Bracing Deflection Diagrams.

MASONRY STRUCTURES.—Classes of Masonry employed for Engineering Structures. Distribution of Pressure on Foundations and Joints. Retaining Walls. Earth Pressure, Rankine's Formula. Stability of Masonry and Brickwork Structures. Dams, Arches, Chimneys. Reinforced Concrete and Brickwork.

DRAWING AND DESIGN.—Students must complete the following:—

Two types of Roof Truss.

One Plate Girder Bridge of Small Span.

One Large Braced Structure.

Considerable freedom of choice will be given in these designs but they must be sound practically.

Theory of Machines.

(Third Year and Fourth Year.)

INTRODUCTION.—Definitions relating to divisions of the subject. Kinematics and Dynamics of Machines. The importance of the subject in regard to the problems that occur in machine and engine design. Bibliography.

KINEMATICS OF MACHINES.--Plane Motion. The Elements of Mechanism. Links, Chains, and Mechanisms. Instantaneous or Virtual Centres. Relative Linear and Angular Velocities. Diagrams of Velocity and Acceleration. Valve Gears and Valve Gear Mechanisms.

MECHANISMS.—Parallel Motions. The Pantograph. Indicator Mechanisms. Indicator Rigs. Quick-Return Motions. Epicyclic Trains. Bevel, Worm, Helical, and Screw Gearing. Change-speed Gears for Lathes and Motors Cars. Feed Mechanisms Boring and Turning Mills. Drilling Machines. Automatic Power Chucks. Cyclometers. Steering Gear Mechanism. Differential Gears. Humpage Gear. Automatic Screw Cutting Machine. Machines for drilling holes of various shapes. Copying lathe Toggle joints "Pin and Slot" mechanisms. Air drills. Rigg's Hydraulic Engine. Rotary Engines and Pumps. Stone crushing Machines. Hooke's Joint. Multiple-Spindle Drilling Machines. Oldhams' Coupling.

TOOTHED AND CIRCULAR WHEELS.--Involute and Cycloidal Teeth, Special Teeth. Chain Gearing. Machines for Cutting Teeth. Fellow's Spur-gear Shaper. The Bilgram and Gibson Bevel Gear Planers. Worm-wheel Shapers. Gleason Automatic Bevel Gear Generator.

NON-CIRCULAR WHEELS ROTATING ABOUT PARALLEL AXES.—Given the Pitch Curve of one wheel to obtain the Pitch Curve of the other. Elliptic Wheels. Harfield's Steering Gear. Quick-return Motions. Logarithmic and "lobed" wheels. Cams and Cam design. Important examples of Cam work. Frictional Resistances and Lubrications of Cams.

DYNAMICS OF THE STEAM ENGINE.—Velocity and Acceleration of the Piston. Crank Effort diagrams, The Flywheel. Combination of Crank Effort Curves and the Fluctuation of Energy. Governors. The Rith-Dalby diagram. Oscillations of the Governor. Relay Governors. Rotating discs and critical speeds.

BALANCING OF ENGINES:—Balancing of Revolving Masses. Graphical Methods. Two, three, and four crank system. Experimental proofs, Dalby's Model. Balancing of reciprocating Masses, with long Connecting Rods. Balancing of Locomotives. Secondary Balancing. Unbalanced Forces and Couples. Klein's Construction. Klein Curves. Combination of Klein Curves to obtain the Unbalanced Couple belonging to the Reciprocating Masses of an Engine, Approximate methods of drawing the Acceleration Curves. Vibration of Supports. Damping. Longitudinal and Torsional Vibrations. Motion of the Connecting Rod and its effect on the frame and on the Turning Moment, exerted by the Crank. Balancing the Connecting Rod. Bennett's Construction.

FRICTION AND EFFICIENCY:—Friction in Mechanisms and Machines; Lubricants and the theory of Lubrication; the design and Lubrication of Bearings.

SPINNING TOPS AND GYROSCOPES:—Introductory theory. Gyroscopic Motion. Precession, Oscillation and Resistance. Effect of reactions in the mounting of a Gyroscope. Practical applications of the Gyroscope.

Hydraulics and Hydraulic Machines.

(Third Year and Fourth Year.)

INTRODUCTION:—Definitions and useful data. Division of the Subject. Bibliography. Fluids and their properties. Compressible and incompressible fluids. Viscous fluids and Viscosity. Free Surfaces, Hydrostatics. Intensity of pressure. Transmission of pressure, Pressure Head. Definitions relating to Flow of Water.

FLUIDS AT REST.—Pressure on immersed surfaces. Total Pressure, Resultant Pressure, Centre of Pressure, and Pressure Diagram for any plane or irregular area immersed in water. Graphical determination. The Piezometer Tube, the Barometer and the differential Pressure Gauge.

FLOATING BODIES.—Principle of Archimedes. Condition of Equilibrium. Centre of Buoyancy. Metacentre. Conditions of Stability. Stability of floating pontoons, docks, and of vessels containing water. Experimental determination of Metacentric height. The Metacentric Diagram. Curves of Stability.

FLUIDS IN MOTION.—Steady and Unsteady Motion. Energy per lb. of water passing any section in a stream line. Velocity head, Pressure head, and Position head. Bernoulli's Theorem. The variation of Pressure across Stream Lines. Radiating Currents. Distribution of Pressure and Velocity in Free and Forced Vortices. The scouring of the banks of a river at the bends. The Venturi Meter. Extension of Bernoulli's Theorem to include loss of head due to friction or internal motions of the fluid. Laws of flow through Orifices, Mouthpieces, Notches, and Weirs. Velocity of approach. Thomson's Principle of Similarity. Bazin's Experiments. Flow over Broad-crested Weirs. Form of Nappe and its effect on the discharge. Flow over Dams. Form of Weir for accurate gauging. Determination of Discharge by approximation method when velocity of approach is unknown.

Time required to lower the water in a reservoir a given distance by means of a weir. Time required to empty a tank or reservoir. Relation between rainfall and flow from Catchment Area. Practical gauging by weirs. Separating weirs. Influence of Temperature on Coefficients of discharge.

FLUID FRICTION.—Laws of Fluid Friction. Froude's Experiments. Friction discs rotated in water. Skin resistance of ships. Curves of Resistance.

FLOW THROUGH PIPES.—Resistance to flow. Loss of head by friction and other causes. The Laws of Flow. Critical Velocity. Conditions for steady stream line motion and for sinuous motion. Empirical Formulæ of d'Arcy and Chezy. Reynolds' Experiments and the Logarithmic Formula. Loss of head due to bends, elbows and changes of section. Piezometer connections. Practical problems. Branched pipes and pipes connecting a number of reservoirs. Transmission of Power along pipes by hydraulic pressure. Pressure on pipe bends and on bodies placed in a pipe filled with flowing water. Meters. Water Hammer effects. Maximum Power Transmitted.

FLOW IN CHANNELS.—Ordinary forms of Channel. Formulæ of Chezy, d'Arcy, and Bazin. Experiments of Bazin. Logarithmic Formulæ. Distribution of the Velocity in the cross section and in horizontal and vertical sections of open channels. Slopes of Channels and the velocities allowed in them. Aqueducts and Sewers. The best form of channel and the velocities allowed in them. Aqueducts and Sewers. The best form of channel. Curves of Velocity and Discharge. Methods of Gauging the Flow.

HYDRAULIC MOTORS AND MACHINES.—Gravity Machines. Pressure Machines. Energy stored and energy available. Maximum Power transmitted by a Water Main. Accumulators and Intensifiers. Hydraulic forging presses. Cranes and lifts, with details of special valves and devices. Impulse of water on Vanes. Work done on a single Vane and on a series of Vanes. Conditions which the Vanes of hydraulic machines should satisfy. The Pelton Wheel. Turbines. Impulse and

Reaction Turbines. Turbines designed for Axial Flow. Radial Flow (Inward and Outward), and Mixed Flow. Effect of Centrifugal Head in Turbines. Determination of Dimensions and Projection of Blades. Governing. Tests of Efficiency at various loads.

PUMPS.—Reversed Gravity and Pressure Motors. Bucket Pumps. Plunger Pumps. Combined Bucket and Plunger Pumps. Continuous Delivery and High Pressure Pumps. Pump Valves. Fluctuation of Delivery. Cavitation Direct acting Steam Pumps. Diagrams of Effective Pressure. The reversed turbine as a centrifugal pump. Modifications necessary. Design of Vanes. Work imparted to the Water by the Wheel. Relation between the Velocity of Whirl, the Radial Velocity, and the Peripheral Velocity. Centrifugal Head and its effect. Efficiencies. Design of Casings. Volute Chambers, Vortex or Whirlpool Chambers. Frictional losses. Complete design of a pump for a given discharge. Turbine Pumps. Tests of Efficiency.

Heat Engines.

(Third Year and Fourth Year.)

Revision and more advanced treatment of the subject of the Second year Syllabus.

FUEL TESTING.—Coal, Coke, and other fuels. Selection of Sample. Determination of moisture present. Determinations of Calorific Value. The Calorimeter Log Sheet. The Bomb Calorimeter. The Gas and Oil Calorimeter. Corrections and complete Log Sheet. Analytical Methods.

ANALYSIS OF FLUE GASES.—The Orsat Apparatus. Tollen's Burette Automatic CO_2 Recorders and Indicators. The Econometers. Minimum Air and Excess Air. Loss of heat in Flue Gases.

BOILER TESTING.—The Objects of a Boiler Test. Rules for conducting steam boiler trials. Determination of Fuel burnt per square foot of grate per hour. Measurement and sampling of Fuel. Fuel Log Sheet. Determination of Pounds of Water evaporated per Pound of Fuel. Measurement of Feed Water. Log Sheet. Temperature measurements. Temperature Log Sheet. Sampling the Fuel Gases. Plotting the Observations. Water Level Corrections. Thermal Efficiency. Smoke tests. Boiler trial Summary. Test of Economiser and Superheater. Heat Accounts and Deductions.

STEAM ENGINE TESTING.—Measurement of Power Output and Power Input. Brakes and Dynamometers. The Dynamo as a Dynamometer. Log Sheets. The Transmission Dynamometer. Föttinger. Hopkinson-Thring and Hamilton-Gibson Torsion Meters. The Dynamophone. The Indicated Horse-power. Use of different types of Indicator and Indicator Rigs. The Flash Light Indicator. Rippers' Mean Pressure Indicator. "Indicated Steam" and Actual Steam Consumption Log Sheet. Curves of Torque. Horse power and Mechanical Efficiency. Analysis of the Indicator Diagram. Detection of Faults. Setting Valves. Eccentrics. Link Blocks and Radial Gear. Adjustment of Valves with different types of Valve Gears. The setting of the Governor. Adjustment of clearance Adjustment of Bearings, Pistons, and Slides. Transfer of Indicator Diagram to the Entropy Chart.

SUBSIDIARY TESTS AND ADJUSTMENTS.—Testing and Setting of Pressure Gauges. Testing and adjusting of Indicator Springs. Measurement of the Dryness of Steam. Separating and Throttling Calorimeters. Dryness of Steam Measurement of Temperatures at various points with the special apparatus arranged for the study of Wall Temperatures. Deduction and measurement of Valve leakage. Testing of heat insulating material.

TESTING OF AUXILIARY MACHINERY.—Testing of Feed Pumps. Pump Diagrams. Curves of Theoretical and

Actual Discharge. Horse-power and Steam Consumption. Testing of Centrifugal Pumps, Air Pumps Injectors, Fans and Air Compressors.

TESTING OF INTERNAL COMBUSTION ENGINES.—The Indicated Horse-power and Brake Horse-power. Analysis of the Indicator Diagram, with detection of Faults and of necessary adjustments. Adjustment of Spark. Air Supply and Fuel. Setting of the Governor. Determination of Mechanical and Thermal Efficiencies. Measurement of Gas or Oil Supply and of the Air Supply. Dalby's Method. Heat converted into Work. Heat to Jacket and to the Exhaust. Calorimeter Curves giving Fuel Consumption and Efficiencies at different loads. Variation of Thermal and Mechanical Efficiency with Compression. The Complete Heat Account. Comparative tests of Four Cycle and Two Cycle Engines.

THEORY OF HEAT ENGINES.—The Laws of Thermo-dynamics. Properties of Air and Steam. Relations of Pressure, Volume and Temperature. The Fundamental Equations of perfect Gas. Adiabatic and Isothermal Expansion. Cyclic operations and the conditions of maximum efficiency. The constant Temperature. Constant Volume, and Constant Pressure Cycles. The perfect Engine using a Regenerator. The Hot Air Engine. The Gas and Oil Engine Cycle. The Diesel Engine Cycle. Thermo-dynamics of the Steam Engine. Efficiency of a perfect steam engine. Heat Drop. Rankine's Cycle. Drying and Superheating Steam by throttling. The Temperature Entropy Diagram for Water and Steam, Clapeyron's Equation. Mollier's Entropy Heat and Pressure Heat Diagrams. Practical applications of the Energy Chart to steam engine problems. Use of the Energy Chart in Design of Steam Engines.

THE STEAM TURBINE:—Advantages of the Steam Turbine as compared with Reciprocating Engine. Classification of Steam Turbines. Theory of Steam Jet and Nozzle. Action of Steam Jet on Blades. General Thermo-dynamics.

of the Steam Turbine. The Mollier Diagram, Nozzles and Guide Blades. Vector Diagrams. Design of Impulse Turbine. The Velocity-Compounded Impulse Wheel. Reaction Turbine. The A. E. G., Curtis, Rateau, Zoelly, and Parsons Turbine. Workshop Practice. Construction of Rotors, Casings, Blading, Dummies, Bearings, Oil Baffles, etc. Methods of Lubrication. The Setting of a Turbine, Methods of Adjustment for wear. Measurement of Power Output.

AIR COMPRESSORS:—Theory and Construction of Air Compressors. Transmission of Power by Compressed Air.

MECHANICAL REFRIGERATION:—General Principles. The Heat Pump. The Coefficient of Performance. Reversal of Heat Engine Cycles. Reversal of Joule and Rankine Cycles. Air Machines, Absorption Machines, and Vapour Compression Machines. choice of a Liquid for Vapour Compression Machines. Entropy Diagrams for Ammonia, Sulphurous Acid, and Carbonic Acid. The Mollier ϕ i, and p . i., diagrams. Mechanical details and design of CO² and Ammonia Machines. Uses of Mechanical Refrigeration and Industrial Applications of extreme cold.

GAS AND OIL ENGINES:—More Advanced Treatment of Second Year Syllabus, with Special Reference to Design. The Crude Oil Engine, Diesel Engine, Two and Four Stroke Engines. Large size gas engines. The gas turbine.

Mechanical Engineering Drawing and Design.

(Third Year and Fourth Year.)

The principal object of this Course is to produce practical Draughtsmen with a sound knowledge of the Principle of Design as applied to Boilers, Engines and Machines. In addition, to also provide a thorough training in Modern Drawing Office Routine, including Printing, Filing, Tabulating, Estimating and Checking.

The Workshop Courses as outlined in the Syllabuses for "Heat Engines," "Theory of Machines," "Theory of Structures," "Strength of Materials" and "Hydraulics," both as regards Lecture and as regards Laboratory work, will be co-ordinated with, and, to a certain extent, subservient to this course. In this class, therefore, very little theory will be taught, but students will have to apply their knowledge to the working out in detail of approved designs. Students will be allowed a certain amount of choice as to the particular designs that they take up, especially in the Fourth Year. The choice however will have to be of an approved and representative character, instructive, and satisfactory from the standpoint of a Mechanical Engineer.

Students will be required to prepare complete working drawings, specifications, and estimates of the following:—

(1) A Boiler of some well known standard type with all Mountings, Fittings and Connections, including Feed Pumps and Injector. The Boiler to be of a given capacity and to work at a given pressure. In addition, a Superheater and Economiser of standard types may be added.

(2) A Compound, or Triple Expansion Engine of a given Horse-power. Students must have very clear ideas concerning the relation between Boiler Capacity and the available Engine Horse-power, and specify accordingly. Complete detail drawings of the Valve Gear and all important fittings must be given, together with the necessary Condenser Plant, including Air Pump, and Circulating Pump.

(3) Some form of Gas or Oil Engine, with detail drawings of Piston, Piston Rod, Crank Shaft, Governor, etc.

(4) A Petrol Engine of a simple but representative type.

(5) A Steam Turbine of moderate capacity.

(6) A Lathe. Any good modern type of lathe may be chosen.

Details and Attachment must be drawn separately.

(7) Some type of Drilling Machine, Horizontal, Vertical, Radial or Multiple Drill. with detail drawing of Feed arrangements.

(8) A Milling, Boring, Planing, Slotting, or Great Cutting Machine, or any machine in which the students have any particular interest.

(9) A Hydraulic Pressure Machine.

(10) A Centrifugal Pump or Water Turbine.

With regard to each design presented, the following points will have to be very carefully considered.

1. Feasibility of Production as regards material, labour, and Process of manufacture.

2. Capacity of the Workshops to carry out the work with the tools and appliances available. If special tools are required, full particulars must be given.

3. Construction of Patterns and Moulds with adaptibility for rapid production. Any special devices to be fully described.

4. Degree of Standardization possible, and advisable, especially with regard to details.

5. Possible Economy in Selection of Materials. Market prices must be quoted, and the choice of any unusual material justified.

6. Adaptation of Dimensions to the standard tools available. If special tools are to be provided, full particulars must be given, and the necessity for them explained.

7. Total Cost of Production with available Plant, with possible diminution if special machines were provided.

8. Possibility of Economy by using Special Repetition Appliances or Processes, where large numbers are required.

9. Designs of Jigs and Fixtures. The smallest number that will justify the manufacture of a Special Jig or Fixture must be determined.

10. Cost of running. The cost of running the boiler, engine, or machine at different loads and under different conditions, must be carefully estimated. If possible, Curves of Performance must be provided.

Note Books and Sketch Books.—Great importance will be attached to a Student's Note Books and Sketch Books. He will be expected to collect notes and sketches that will be of value to him in his career after leaving College. The marks awarded for any particular note or sketch will be in proportion to its practical value.

Electrical Engineering.

THIRD YEAR.

PRINCIPLES AND DETAILS OF DESIGNS, MANUFACTURE AND CALIBRATION OF SWITCHBOARD AND LABORATORY INSTRUMENTS.—Action of measuring instruments. Deflecting and controlling forces, friction, dead-beatness and damping force. Types of electrodynamic ammeters, voltmeters and galvanometers. Hot wire instruments, Methods of altering range of ammeters and voltmeters. Electrostatic voltmeters. Testing of Switchboards. Principles and Details of construction and general discussion of Switchboards, and the arrangement of busbars, measuring, controlling and protective devices. Use and choice of different switches, etc., for different purposes.

DYNAMO ELECTRIC MACHINES.—Different types of motors in use, standards of value for a motor, relation of torque, speed and H. P., different types of load.

D. C. ELECTRIC MOTORS.—General discussion of the principles of action of a D. C. dynamo and motor. Construction of and materials used in the manufacture of brushes. Com-

mutator and Field Magnets. Position of Brushes. Testing for breakdown of Insulation, Commutation and Commutating coils.

Efficiency and characteristics of Generators and Motors and their Experimental Determination and Calculation.

INSPECTING AND TESTING.—Adjustment, Friction, Balance, Noise, Heating and Sparking. Electrical Resistance. Voltage and Current, Speed and torque, power and efficiency.

LOCALISATION AND REMEDY OF TROUBLES.—Sparkling at the commutator, heating of brushes, of field magnets and bearings. Noisy operation, speed too high or too low, motor stops or fails to start, voltage of generator fails.

BATTERY.—Principles of Primary and Secondary Cells. Efficiency. Capacity. Deterioration, Diseases and Remedies of a Secondary Battery, Charging and discharging a battery. Detection of faults in a Secondary Battery, their testing, remedies.

ELECTRIC LIGHTING.—General principles of Lighting. Standards of value in lighting. Determination of candle-power required for illumination, lighting of rooms and streets. factors of the cost of Lighting. Systems of central stations supply. Lighting, public and private. Busbars, Feeders, Distributors and Internal wiring.

ELEMENTS OF ALTERNATE CURRENT.—Generation by mechanical means. Frequency, Power-factor, Self-inductance and Impedance, Wattless Current, Principles of Alternate Current Working. Application to Choke Coils. Use of rotating vectors.

Graphical representation of power developed, power-factor.

Three-phase circuits, star and mesh connections. Graphical representation or measurement of three-phase power-supply. Production of rotatory field.

A. C. MOTORS.—General description of single and three-phase Synchronous motors and three-phase induction motors, squirrel cage and wound motors, methods of starting, working characteristics of A. C. Motors.

ELEMENTARY MATHEMATICAL THEORY.—Units and simple measurements, Natural Frequency, Principles and details of measurement of Alternate Current Generators, Synchronous, Induction and Commutator.

Brief description of Electric Heating and cooking apparatus and their characteristic advantages. Electric cutting and welding.

Books recommended:—

1. Management of Electrical Machinery.—Crocker and Wheeler.
2. Electrical Measuring Instruments.—Aspenall Parr.
3. Direct Current Engineering.—Barr.
4. Electrical Engineering.—Thomalen.
5. Secondary Battery Engineering.—Lamar Lyndon.
6. Continuous Current Motors and Central Apparatus.—Maycock.
7. Direct Current.—Sheldon and Mason.
8. Alternate Current.—Sheldon and Mason.
9. Alternate Current.—Hay.
10. Electrical Engineering Testing.—Aspenall Parr.
11. Dynamo Testing.—C. F. Smith.
12. Testing of Electro-Magnetic Machinery (2 Vols.)—By Swenson and Frankenfield.
13. Electrical Engineering Practice in India.—J. W. Mears.

Electrical Engineering Testing Laboratory.*(Third Year Degree).*

- (1) Calibration and Standardisation of Ammeters.
- (2) Calibration and Standardisation of Voltmeters.
- (3) Calibration and Standardisation of Wattmeters.
- (4) Calibration and other tests on Electricity Meters.
- (5) Efficiency and other Photometric tests on Electric Glow and Arc Lamps.
- (6) Efficiency and other tests on Secondary Cells.
- (7) Localisation of Faults in Electric Light Mains.
- (8) Determination of the "Characteristic" of Direct and Alternating Current Dynamos.
- (9) Efficiency and Regulation of Direct and Alternating Current Dynamos.
- (10) Efficiency, B. H. P. and Regulation of Direct and Alternating Current Motors.
- (11) Influence of load and of distance of Transmission of Voltage regulation of a line.
- (12) Influence of the transmission voltage and of the cross-section of a line on its regulation.

Electrical Engineering.*(Fourth Year.)*

DESIGN OF DIRECT CURRENT GENERATORS AND MOTORS :—
 Calculation of armature. Fundamental Calculations. Armature winding, Dimensions of Armature core, Final Calculation of armature winding, Dimensioning of Commutators, Brushes and Current conveying part a Dynamo, Mechanical Calculations for armatures.

CALCULATION OF MAGNETIC FLUX:—Useful and total magnetic flux, calculation of leakage factor from dimensions of machine.

DIMENSIONS OF FIELD MAGNET FRAMES:—Forms of Field-Magnet frames, general construction rules, calculation of Magnetising circuit. Heating and ventilation, Calculation of magnet winding, Coil winding calculation, series winding, shunt winding, compound winding.

DESIGN OF ALTERNATE CURRENT GENERATORS AND MOTORS:—Elements of design and simple calculations connected therewith. Determination of E. M. F. and Current Curves. Armature winding. Heating and Ventilation. Losses; Efficiency and Characteristics, Short circuit, Current Drop. Various Types of Motors, Circle Diagrams and Testing. Mechanical Construction, Parallel Running, Hunting. Influence of Damping Coils.

TRANSFORMERS:—Core and Shell Types. Induction and Ohmic drop, Methods of Cooling. Special designs for large output and high pressure Mechanical construction. Necessity for various Types. Simple calculations concerning Elements of Design, Testing.

CONVERTERS:—Various Types. Simple calculations concerning Elements of Design, Testing.

CONTINUOUS AND ALTERNATING CURRENT CIRCUITS:—Influence of Resistance, Capacity and self-inductance, Resonance, Free and damped Oscillations. Lightning Protection. Protection against Disruptive discharges.

POWER TRANSMISSION AND DISTRIBUTION BY DIRECT AND ALTERNATE CURRENT:—

(a) **TRANSMISSION:**—Design and value of high tension and long distance transmission lines. Details of Erection, Construction, Testing and Maintenance. Safety Devices, Limitation of Voltage. Feeders and distributing mains. Substations, choice of positions, plant, general arrangement.

(b) **DISTRIBUTION**:—Medium and Low Voltage Distribution Systems. Mechanism of distribution for a public supply. Consumers' Circuit and connections, Motors and Plants. Requirements to be satisfied by insulated conductors used in distribution as regards voltage regulation, the three-wire system. Balancers. Use of Boosters and Motor Generators. Rotary Converters and Motor Converters.

ELECTRIC TRACTION:—Electric Traction by Continuous and Alternate Current:—Principles and Details of systems of Electric Tramway and Railway Engineering ordinarily used. Permanent-way lines and feeders. Surface and Conduit systems. Collection and Control of Current. Capital charges and Running Cost.

Development and utilization of water power.

ESTIMATING:—Cost of Power Plants for Generation, Transmission and Distribution of Electrical Energy and cost of Energy generated. Estimates for transmission lines and distribution systems. Selection of appropriate systems. Load curves and factors. Capital and maintenance costs. Working and Control. Reliability and Economy.

Electrical Engineering Testing Laboratory.

(Fourth Year Degree.)

(1) Regulation of a transmission line having Capacity Inductance and Resistance.

(2) Variation of the Inductance, Reactance and Impedance of a transformer on open circuit.

(3) Miscellaneous Tests with Alternating Currents.

(4) Measurement of Power in Single and Polyphase Alternating Current Circuits.

(5) Variation of the Core loss of a Transformer.

(6) Efficiency and other tests on Single and Polyphase Alternating Current Transformers.

(7) Separation of Hysteresis and Eddy Current losses in the core of a transformer.

(8) Determination of the Periodic E. M. F. and Current Curves of an Alternator.

Mechanical and Electrical Engineering.

FIFTH YEAR.

FIRST THREE MONTHS.—The first three months of the fifth year will be devoted to the Project or thesis. This would bear on a subject taken by the students in previous years. The Project must be so complete in every respect that it may be a model for a working scheme. It must embody a complete report and full survey with detailed calculations and estimates. Drawings and diagrams of General arrangement and Details must be submitted. Reason must be given for the selection of every system or machine used in the project. In every case the authorities must be cited in the marginal notes, in case of departure from the adopted practice, the opposite view must also be clearly stated and discussed in brief in the report or elsewhere. Both Graphical and Analytical methods of treatment should be used to verify the result obtained and thus to show that the student has a thorough understanding of both where possible. Use of more recent practice will get better credit. Originality of construction, provided it is good, will be highly encouraged.

Economics, Factory Management, and Commercial Engineering.

Fourth Year.

INTRODUCTION.—The General Problems of Design of Industrial works. Choice of Site. General Arrangement.

Power, Plant and Equipment. Staff. Labour. Raising of capital, floating of business and works of public utility.

GENERAL ADMINISTRATION.—Staff Organization. Routine Correspondence. Filing. Estimating. Production Efficiency. Output. Publicity. Orders and Issues.

ADMINISTRATION OF WORKS.—Regulations affecting Employees. Factory Act requirement. Accidents. Fire. Gate Control. Apprentices. Workmen, Labour Records, Time-keeping. Overtime, Drawing Office Routine, Materials. Stores, Stock and Production. Efficiency of process. Rate-fixing. Inspection, Supervision, Despatch, warehouse stock, Final Inspection, Records and Routine of Delivery.

ACCOUNTS.—Works Accounts and Estimates. Works Expenditure Account. Standing Orders. Stock Accounts. Cost. Allocation Accounts. Shop Charges. Process Product Accounts. Manufactured Stock Product. Stocktaking. Valuation of Loose Plant. Abstract of Works Accounts and Statistics.

ROUTINE FORMS.—For General Office, Wages Office. Drawing Office, Works Office, Pattern Shop and Pattern Stores, Foundry, Smithy, General Stores, Tool Stores, Inspection Department. Work Depot, Warehouse and Works Accounts Office.

FINANCIAL ACCOUNTS.—General System of Financial Accounts, Wages and Petty Cash Account. Purchases Accounts. Sales Accounts. Share Accounts. Private Accounts. Annual Accounts, Audit.

Mechanical and Electrical Engineering Workshops and Laboratories.

The main object of the Workshops and Engineering Laboratories is to train skilful, reliable and resourceful engineers.

No student should be eligible for a Degree in Mechanical or Electrical Engineering who has not obtained at least 60 per cent of the possible marks in all the Laboratories and Workshops of the Department, and acquired considerable skill as a craftsman. These marks should include—

- (a) Marks awarded for daily or sessional work done in the shops.
- (b) Marks awarded at special workshop tests.

The Professors of Mechanical and Electrical Engineering and others will inspect the week's work of each student on "Inspection Day" every week.

In every shop the ultimate standard of work required of such student will be a high one, his method of working must be correct, and the rate at which his work is executed must be up to Factory Standard.

For six weeks during the vacations, students will be allowed to work in any shop they choose (provided there is accommodation). During these periods they will be under strict workshop discipline, and may receive pay for work done. Special mention will be made in the Final Certificate of the work done during these periods.

Students who are unsuccessful at Theory may, if they have obtained at least 70 per cent. in Workshop Practice, apply for the "*Complete whole time Workshop Course.*" This Course will aim at an exceptionally high practical standard, and include Workshop Practice of an advanced and special kind, the Control and Management of Engines and Machinery, Draughtsmanship, Workshop Estimates, and Accounts. A student showing exceptional ability at any particular kind of work, will be given every opportunity to excel and become an expert.

1923.

Admission Examination.

Same as in 1922, with the following changes:—

I. Under History and Geography add “ The world and India (Oxford Geographies) Adapted by P. C. Wren ” as an alternative for Longmans’ Geographical Series for India.

II. Division of Papers in Samskrit to be as follows:—

“ There will be two papers in Samskrit, each of three hours’ duration. One will be on metrical portion of the text-books (55 marks) with questions on grammar and idiom (25 marks) and a short passage or sentences in Samskrit from unseen sources for translation (20 marks). The second will be on prose portions of the text-books (55 marks) with questions on Grammar and idiom (25 marks) and a short passage or sentences in English for translation into Samskrit (20 marks).

III. Add “ Commerce ” as a new subject with the following courses prescribed under it:—

Commerce.

There will be two papers one on Book-Keeping and the other on Commercial Correspondence. There will also be a practical test in Shorthand and Typewriting.

The following Syllabus is prescribed:—

(i) BOOK-KEEPING :—

Double Entry Book-keeping. Its principles and advantages; Modern use of the Journal; Purchases and Sales Book; Cash Book, with three columns.

Bills Receivable and Payable Books.

Bank Account, recording transactions of advanced nature such as Discount of Bills, Dishonour of Acceptances etc.

Ledger Accounts. Real, Personal and Nominal accounts. Transactions of the following classes to be recorded there:—

Bad Debts and debts subsequently recovered; Suspense. and outstanding charges; Reserves for Bad and Doubtful Debts.

Bills; Consignments; Sales and Purchases of goods; Postings from subsidiary Books etc.

Preparation of Trial Balance; Trading and Profit and Loss Accounts and Balance Sheet.

Books prescribed:—

(1) Pitman: Book-keeping Simplified.

(2) Fieldhouse: Students' Book keeping.

(ii) COMMERCIAL CORRESPONDENCE:—

Inward correspondence; Filing, Inward Letter Book;

Docketing, Outward Correspondence; Copying Press Letter Book, Card Index:

Cross Reference, Manifolding and Duplicating, Modes of Address.

Business Letter Writing; Elementary style and form. Statements and Documents; Preparation of an Invoice Receipt.

Account Sales, Statement of Account, Paying in Slip. Banking; Current and Deposit Accounts, Cheques, Bank Pass Book.

Bills of Exchange; Inland and Foreign. Short and Long Bills.

Acceptances, Endorsements, Accommodation Bill, Promissory Note.

Important Commercial Terms and Abbreviations.

Book prescribed:—

Commercial Practice by A. Fieldhouse,

(iii) **SHORTHAND and TYPEWRITING:—**

- (a) *Shorthand*:—To take down notes at the rate of 50 words per minute by any recognised method.
- (b) *Typewriting*:—To type at the rate of 20 words per minute by Touch System.

Book recommended:

Touch Type-Writing by Chas. Smith.

**Intermediate Examination, 1923.***Same as in 1922 with the following changes:*

- I. Under Modern Indian languages, add Canarese and Malayalam as new Modern Indian languages with the following courses prescribed for them:—

CANARESE.

- (i) *Vidyarthi Karabhusana*—by K. Venkata Krishnayya (Sadhvi Office, Mysore).
- (ii) *Rama Madhava*—by B. Rama Rao M.A., LL.B. (Sharada Press, Mangalore).

MALAYALAM.

- (i) *Krishna Kanta's Will*—by T. C. Kalyani Amma (Mangalodayam Press, Trichur).
- (ii) *Stories from Tagore*—by P. Raman Menon (Vanikulambara Press, Trichur).

II. Text-books under Samskrit Paper I—Prose to be as follows:—

- (a) Taittiriyaopaniṣad; Sikṣha Adhyaya, Anuvāka II (Anandasrama Edition pp. 31-35).
- (b) Taittiriya Aranyaka, Prapathaka II Anuvāka 3. (Bib Samskrit Edition pp. 192-200).
- (c) Vikramorvasi (omitting the Prakrit Songs of Act IV).
- (d) Dasa Kumara-charita Chapter VI Gomanicharita (Nirnaya Sagara Edition pp. 218-225).
- (e) Jatakamala : Unmadayanti Jataka (Harvard oriental series).
- (f) Upamitibhava prapancha Katha (Bib. Ind. Edition) pp. 198 (Samsarijiva) to 214 Vihasyati.

III. Textbooks in modern European languages (French and German) to be as follows:—

FRENCH.

BERTHON'S Specimens of Modern French Prose
(Macmillan & Co.)

BERTHON'S Specimens of Modern French Verse
(Macmillan & Co.)

DAUDET : Tartarin de Tarascon.

GERMAN.

RICHL : Burg Neideck.

FREYTAG : Die Journalisten.

EBNER-ESCHENBACH : Die Freiherren von Gemperlein.

TURNER AND MORSHEAD'S Selections of poems from
schiller (Macmillan & Co.)

IV. The courses in History to be as follows:—

History.

There will be two papers in History.

(i) *One* paper will be on Indian History from the earliest times to the present day.

(ii) For the *other* paper students shall take—

either

(a) History of Greece to the death of Alexander.

and

(b) History of Rome to the fall of the Antonines.

or

(c) History of England from 1485 to the present day.

TEXT-BOOKS.

Paper I—*History of India.*

VINCENT A. SMITH: The Oxford History of India.

The Students' Atlas of Indian History (Macmillan & Co.)

Paper II—

(a) *History of Greece.*

J. B. BURY: A Short History of Greece.

(b) *History of Rome:*

SHUCKBURGH: A Short History of Rome.

WARDE FOWLER: Rome (Home University Library).

Atlas of Ancient and Classic Geography. (Every Man's Library).

(c) *History of England:*

WARNER AND MARTEN: Groundwork of British History.

A. W. POLLARD: A History of England (Home University Library).

V. Courses in other subjects to be as follows:—

Logic.

N. B.—The books recommended for study are not meant to be used as prescribed text books but as indicating the general scope of studies in the subjects to which they relate. In Indian Philosophy however the questions to be confined, as far as possible to the books recommended.

Two papers, each of three hours' duration.

Paper I.—

Elements of Deductive Logic.

Paper II.—

Elements of Inductive Logic.

N. B.—25 per cent of the total marks in each paper reserved for Indian Logic.

The subject of Logic to be studied as defined in the following syllabus:

DEDUCTIVE LOGIC.

1. The Problem of Logic. Its definition and scope. Relation of Logic to Psychology, to the Natural Sciences and to Philosophy. Logic as Science and Art. Logic as Material and Formal.

2. Thought: its essential nature and its forms. Laws of Thought, as Psychological and Logical. Thought and Language. Relation of Logic to Grammar. Judgment and Proposition. The parts of a Proposition.

3. Concept—its relation to judgment. Concept and name. Name and Term—their relation. Kinds of Terms Nomenclature of Predicables. Definition and Division as Logical Processes.

4. Propositions and their classification. Distribution of Terms in a proposition. Opposition of propositions. Immediate Inferences.

5. Mediate Inferences and their varieties. Syllogism—its nature and its constituent parts. Rules of Syllogism. Figure and Mood. Determination of valid moods and its different methods. Reduction—its methods and use. Abbreviated and irregular forms of Syllogism. Trains of Reasoning. Hypothetical and Disjunctive arguments and their varieties.

6. Fallacies and their classification. The nature of each fallacy.

INDUCTIVE LOGIC.

1. The problem of Induction. The inductive process and its different forms. Assumptions of Induction. Laws of Causality and Uniformity of Nature.

2. Preliminaries of Induction. Observation and Experiment. Methods of Induction.

3. Scientific and Imperfect Inductions. Induction by Enumeration and the use of Statistics. Induction by Analogy—its nature and value.

4. Hypothesis—its formation and use. Condition of Legitimate Hypothesis. Explanation. Deduction and Induction and their connection.

5. Fallacies. Varieties of Inductive Fallacies and nature of each variety.

ELEMENTS OF INDIAN LOGIC.

1. बुद्धिः and ज्ञानम्; ज्ञानम्; as स्मृतिः and अनुभवः—the nature of each

2. ज्ञानम् as अनुभवः—its two varieties as यथार्थः and अयथार्थः; the varieties of यथार्थज्ञानम् and the करणम् of each variety; करणम् and कारणम्—their relation; the nature and kinds of कारणम्.

3. ज्ञानम् as प्रत्यक्षम्—its nature and varieties; the sources of प्रत्यक्षम्.

4. ज्ञानम् as अनुमितिः—its nature and varieties the processes involved in each kind of अनुमितिः; हेत्वाभासः—its nature and varieties.

5. ज्ञानम् as उपमानम्—its nature and relation to analogy.

6. ज्ञानम् as शब्दम्—its nature; the function of शब्दः in ज्ञानम् ; the sources and varieties of शब्दज्ञानम्.

7. ज्ञानम् as अयथार्थम् ;—its varieties ; the nature of each variety.

Books recommended for study in connection with the above syllabus :—

CREIGHTON : Introductory Logic (omitting Part III)

or

WELTON : Intermediate Logic.

and

Tarkasamgraha of Annambhatta.

N. B.—Questions in Indian Logic to be distributed between the two papers in accordance with the subject-matter of each.

Books to be consulted :—

STOUT : Groundwork of Logic,

JEVONS : Elementary Lessons in Logic;

MINTO : Logic;

CARVETH READ : Logic—Deductive and Inductive;

FOWLER : Inductive Logic;

JEVONS : Studies in Deductive Logic;

Tarkabhasa by Kesava Misra;

Bhashaparichheda.

Drawing.

(Course to be prescribed later on).

Manual Training.

(Course to be prescribed later on).

Elementary Economics and Indian Administration.

(Students expected to show some knowledge of Economic Geography).

Text-books recommended:—

MORELAND: Introduction to Economics for Indian Students.

PENSION: Economics of Everyday Life,

ANDERSON: The Indian Constitution.

Reforms Act of 1919 and the Reports of the Joint Committee.

Books for consultation:—

Imperial Gazetteer Vols. III and IV.

Biology.

Two papers, one in Botany and another in Zoology, each of three hours' duration. Also a practical test in both branches.

(A) BOTANY.

Histology.—Plant cell. The cell-wall and its modifications. Living and non-living contents of the cell. Microchemical tests for the wall and the contents. The distinction between animals and plants. An elementary knowledge of the plant tissues and tissue system. The general structure of the various organs of an angiosperm and the mode of growth.

External Morphology.—The same as for Admission Examination, but a higher standard would be expected.

Systematic Botany.—

(a) The characteristics of the following natural orders:—

(i) Ranunculaceæ, (ii) Solanaceæ, (iii) Cruciferæ, (iv) Malvaceæ, (v) Rutaceæ, (vi) Leguminosæ, (vii) Labiatæ, (viii) Compositæ, (ix) Liliaceæ.

(b) The structure and life history of—

(i) *Bacillus Subtilis* (ii) *Saccharomyces* (iii) *Mucor* (iv) *Spirogyra*, (v) a Moss, (vi) a Fern.

An outline of the classification of the vegetable kingdom to illustrate the gradual increase of complexity of structure and method of re-production.

Physiology.—The stability of plant body. The usual constituents of plant food. Assimilation, transpiration, respiration. An elementary knowledge of the reaction of plants to environments.

Practical Work.

Candidates required to examine microscopically, to dissect and to describe specimens of plants included in the above syllabus. Also to keep a record of all practical work in the Laboratory in a note-book, liable to examination by the University Examiners.

Books suggested:—

J. M. LOWSON: A Text-book of Botany (Indian Edition,)

D. THODAY: Botany, 'A Text-book for Senior Students (Cambridge University Press).

SCOTT: Structrue Botany, 2 Volumes.

BHATIA AND K. NARAIN'S 'Laboratory Note-book of Botany' (Lahore).

(B) ZOOLOGY.

Definition and scope of Zoology. Nature of Protoplasm. The structure and life-history of *Amœba*. Structure of the

Cell; Cell-division; Conjugation and Fertilisation. Elements of Development. Structure and functions of the animal tissues. Structure and life-history of Hydra, Pheretima or Eutyphæus, and Cockroach.

The Anatomy and Osteology of the Frog and the Rabbit.

The elementary physiology of the various organs, as illustrated by the Frog and the Rabbit.

The outlines of the development and larval history of the Frog.

A general classification of the Animal Kingdom with the characteristics of the principal phyla.

Practical Work.

Candidates required to examine microscopically, to dissect and to describe the animals named in the syllabus. Also expected to keep a record of all practical work done in the Laboratory in a note-book liable to examination by the University examiners.

Books suggested:—

BORRADAILE: Manual of Zoology (Oxford Med. Pub.)

MARSHALL: Frog.

MARSHALL AND HURST; Practical Zoology.

PARKER: Practical Zoology (Macmillan).

G. C. BOURNE: Comparative Anatomy of Animals, in 2 Vols. (G. Bell & Sons.)

Physics, Chemistry & Geology.

(Same as in 1922.)

B. A. Examination, 1923.**English.**

ORDINARY COURSE.

Four papers in all, each of three hours' duration, two in text-books—poetry and prose respectively, and two in essay-writing, one general and the other relating to books prescribed for general study. The books prescribed in poetry ordinarily to include one of the more difficult plays of Shakespeare, and some selections from Milton. The books for non-detailed study, as far as possible, to be representative of narrative, descriptive, expository and persuasive composition.

Also a *viva voce* examination to be limited to a test of the student's capacity to use the English language.

N. B.—Alternative questions to be set, at least to the extent of half the number of questions, in each paper.

1. Poetry—

SHAKESPEARE: Hamlet and Twelfth night.

MILTON: Lycidas

WORDSWORTH: Ode on the Immortality

BROWNING: Rabbi Ben Ezra

TENNYSON: Palace of Art.

SHELLEY: Adonais.

} Palgrave's
Golden
Treasury

2. Prose—

RUSKIN: Sesame and Lilies.

Nineteenth Century Essays, edited by Sampson (Cambridge University Press.)

Essays on Addison, edited by Hadow (Oxford University Press.)

3. *Non-detailed study*—

BURKE: Conciliation with America (Macmillan & Co.)

DE QUINCEY: Confessions of an Opium Eater and other
Essays (Macmillan.)

KINGLAKE: Eothen.

BALFOUR: Passages in his Non-Political Speeches (Longmans.)

NEWMAN: Literary Selections (Longmans).

HONOURS COURSE.

In addition to the papers of the Ordinary Course there to be a special paper of three hours.

One of the following groups of books in addition to those prescribed for the Ordinary Course to form the subject of the examination.

1. SIDNEY LEE: Shakespeare.

RALEIGH: Shakespeare (English Men of Letters Series).

JOHNSON: Shakespeare (Oxford University Press).

or

2. RALEIGH: Milton.

PATTISON: Milton (English Men of Letters Series).

ADDISON: Paradise Lost.

MACAULAY: Milton.

or

3. SYMONDS: Shelley.

SHELLEY'S Defence of Poetry and BROWNING'S Essay on
Shelley (Heath & Co.)BRANDES: Naturalism in England (with special refer-
ence to Byron, Shelley and Keats).*or*

4. CORURTHOPE: Addison (English men of Letters Series)

JOHNSON: Addison (Lives of Poets).

LESLIE STEPHEN: Literature and Society in the Eighteenth Century.

FREDERIC HARRISON: Ruskin (English Men of Letters Series).

Sanskrit.

ORDINARY COURSE.

THREE papers, each of three hours' duration.

Paper I.—

- (a) Uttaracharita.
- (b) Taittiriya Aranyaka : Prapathaka X, Anuvaka I
- (c) Kathopanisad Valli I
- (d) Kadambari—Kathamukhaprakarana.
- (e) Kumarasambhava Cantos I to III

Paper II.—

- (a) Kavyadarsa of Dandi—Chapters I, II and IV (*i.e.*, omitting the Chapter on शब्दालङ्कार)
- (b) Kiratarjuniya—Cantos IV and V
- (c) Macdonell's History of Sanskrit Literature—Chapter X to the end.

Paper III.—

- (a) Grammar.
 - (b) Translation—from English into Sanskrit.
- Sanskrit to be written in the Devanagari script.

HONOURS COURSE.

In addition to the papers of Ordinary Course there to be a further paper of two hours duration on the books noted below and a *viva voce* test based on the same:—

- (I) Kavya Prakasa, Chapters I, II and X

(2) Tarkabhasa

Or

Manusmriti—Chapters I to VII

Or

Bhagavadgita.

Composition in a Modern Indian Language.

ONE paper on Composition in the Modern Indian Language, of three hours' duration.

The paper to consist of three essays, one general and based on the subject matter of the books recommended for study.

The essays based on the books not to demand a detailed knowledge of the contents of them.

Books recommended for general study as presenting models of composition and style:—

(A) HINDI

- (1) *Sundara Sara* (सुन्दरसार—मनोरंजन पुस्तकमाला) from VI सद्गुरु महिमा नीसानी ग्रन्थ p. 85 to p. 147. (इति श्रीसुन्दरदास कृत फुटकर काव्यका सार समाप्त)

Also Introduction containing the life of the author.

- (2) *Bihari Satsai* (बिहारी की सतसई, पं० पद्मसिंह शर्मा कृत—ज्ञानमण्डल काशी)
- (3) *Mudra Rakshasa* (मुद्राराक्षस) by Bharatendu Harish Chandra.
- (4) Lectures by Pandit Badri Narayan Choudhuri and Pandit Govinda Narayan Misra (पं० बदरी नारायण चौधरी और पं० गोविन्द नारायण मिश्र के व्याख्यान-हिन्दी साहित्य सम्मेलन द्वारा प्रकाशित)

(B) PARBATIA

- (1) *Bhanu Chaktiya Ramayana*. Edited by Pandit Harihar.
- (2) *Nepal Ka Itihasa*, by Pandit Ambika Prasad Upadhyaya.

(C) URDU

- (1) *Ab-i Hayat* by Moulvi Mohammad Husain Azad (Azad Book Depot, Lahore).
- (2) *Waqā-i-Sair-o-Siyahat Doctor Bernier* by Khalifa Mohammad Husain (Mohammadan College Book Depot, Aligarh).
- (3) *Darbar-i-Akbari* by Moulvi Mohammad Husain Azad (Azad Book Depot, Lahore). The following chapters only:—

	Pages.
Akbar	1-156
Bairam Khan Khankhanan	157-196
Mahesh Das Raja Birbar	295-310
Abulfaiz Faizi Fayyazi	359-384
Sheikh Abul Fazal	463-508
Raja Todar Mal	519-534
Raja Man Singh	535-566
Mirza Abdurrahim Khankhanan	576-646

(D) BENGALI.

- (1) *Prabhata-Chinta* (প্রভাতচিন্তা) by Kali Prasanna Ghose.
- (2) *Jnan-o-Karma* (জ্ঞান ও কর্ম) by Gooroo Das Banerji.
- (3) *Prachin Sahitya* (প্রাচীন সাহিত্য) by Rabindra Nath Tagore.
- (4) *Kapala Kundala* (কপালকুণ্ডলা) by Bankim Chandra Chatterji.

(E) MARATHI.

- (1) *Nibandhamala* (निबंधमाला) by V. K. Chiplunkar.
- (2) *Subhasita ani Vinoda* (सुभाषित आणि विनोद) by Kelkar.
- (3) *Maharashtra Sarasvata* (महाराष्ट्र सारस्वत) by Bhawe.
- (4) *Vividhalekha Sangraha* (विविध लेखसंग्रह) by Agarkar,

(F) GUJARATI.

Apano Dharma by A. B. Dhruva.

Uttara Rama Charita by Mani Lal N. Dhruva.

Sathina Sahityanu Digdarsana by D. P. Derasari.

Melani Mudra by K. H. Dhruva.

(G) *TAMIL*.

(i) *Periyapurana Vacanam*, by Mr. Arumuganavalar, *Lives of Saints Tirunavukkarasunayanar*; Perumiyhalai Kurumba Nayanar. Karikhalammayar, Appoothiadikal Nayanar, Tirunaclakka Nayanar, Naminandiadikal Nayanar Tirugnana Sambanda Moorthy Nayanar. pp. 92.

(ii) *Battar Vaibhavam*, by the late Mr. V. M. Sadagopa Ramanujachariar.

(iii) *Padmini*, by Mr. V. Muthuswami Iyer, M.A., L.T.

(iv) *Manimekalai* in prose, by Mr. V. Swaminatha Iyer.

(H) *TELUGU*.

Andhra Dasakumaracharitra, by V. Venkataroya Sastri.

Ananda Mutt, by Dorasamiawth (V. Ramaswami Shastri & Sons).

Kavithathva Vicharamu, by C. R. Reddi, M. A.

(I) *CANARESE*.

(i) *Padmini*, by Lakshmi Naryana Bhatta.

(ii) *Visha Vriksha*, by B. Venkatachari.

(iii) *Karnataka Gata Vaibhava*, by Venkatesa Bhima Row Alur.

(J) *MALAYALAM*.

(i) *Marthanda Varma*, by C. V. Raman Pillai B. A. (B.V. Book Depot, Trivandrum.)

(ii) *Kesari*, The Hon'ble Kunji Raman Maynar (Norman Printing Press.)

(iii) *Visha Vriksham*, by T. C. Kalyaniamma (Mangalodayam Press, Trichur.)

Arabic and Persian.

ORDINARY COURSE,

THREE papers. each of three hours' duration, the first on the text-books, grammar, rhetoric and prosody, the

second on unseen translation from prose and verse, and the *third* on translation from prose into the Classical Language.

Text-books prescribed :—

(1) *ARABIC.*

ORDINARY COURSE.

Al Fakhri.

Maqamat of Badi'l.

Saba Mu'allaqat.

Diwan of Hamasa (first Bab only)

HONOURS COURSE.

In addition to the papers of the Ordinary Course there to be a special paper of three hours.

Maqamat of Hariri (first half).

Nafhat-ul-Yaman.

Timurnama.

Quran (first three siparas).

(2) *PERSIAN.*

ORDINARY COURSE,

Ghulam Ali Azad's *Khazan-e-Amrah.*

Diwan of Hafiz (from radif of 3̣ to the end)

Mulla Husain Waiz's *Akhlaq-i-Mohsini.*

Naldaman of Faizi.

Recommended for rapid reading—

Jang Namah by Niamat Ali Khan.

HONOURS COURSE.

In addition to the papers of the Ordinary Course there to be a special paper of three hours.

Diwan of Qaani.

Diwan of Shaibani.

Kulliyat of Sa'di.

Sikandarnama of Nizami.

Shahnama of Firdausi (first half).

Modern European Languages.

(Course to be prescribed later on.)

Philosophy.

N. B.—The books recommended for study not meant to be used as prescribed text-books, but as indicating the general scope of studies in the subjects to which they relate. In Indian Philosophy however, the questions to be confined, as far as possible, to the books recommended.

ORDINARY COURSE.

THREE papers, each of three hours' duration.

PAPER I.—Psychology.

Books recommended for study:—

(1) STOUT's Groundwork of Psychology (*Fifth Impression*).

(2) ANGELL's Psychology (*Fourth Edition*.)

N. B.—Students required to show acquaintance with the Physiology of the Nervous System and of the Sense Organs, as far as necessary in connexion with the study of Psychology.

Books suggested for study:—

HUXLEY : Elementary lessons in Physiology—latest edition (Nervous and Sense Organs) :

Mc DOUGALL : Physiological Psychology.

Books to be consulted :

LECKLEY : Nervous System ;

GREENWOOD : Physiology of the Senses :

SULLY : Outlines of Psychology (new impression) ;

STOUT : Manual of Psychology ;

JAMES : Text-book of Psychology ;

KULPE : Outlines of Psychology ;

LADD : Psychology—Descriptive and Explanatory.

PAPER II—Ethics.

Recommended text-book:—

MACKENZI : Manual of Ethics (latest edition).

Books to be consulted:—

MUIRHEAD : Elements of Ethics ;

A.C. MITTRA : Elements of Morals.

HYSLOP : Elements of Ethics.

SETH : Ethical Principles.

PAULSEN : System of Ethics.

MILL : Utilitarianism.

SPENCER : Data of Ethics.

SORLEY : Recent Tendencies in Ethics.

ROGER : Short History of Ethics.

PAPER III.—General Philosophy—European and Indian.

(1) FRASER'S Selection from Berkeley (Fifth Edition—amended)—Introduction and pp. 1-166.

(2) *Sankhya-Karika* with Gaudapada's commentary.

N.B.—In this paper 50 percent of the total marks to be assigned to Indian Philosophy. Students required to show a general acquaintance with the outlines of philosophic thought, both European and Indian, the books suggested for study being :—

ROGER: History of Philosophy:

CUSHMAN: Beginners' History of Philosophy—Ancient and Modern:

SRINIVASA IYENGAR: Outlines of Hindu Philosophy.

Books to be consulted:—

SCHWEGGLER: History of Philosophy;

WEBER: History of Philosophy,

FRASER: Berkely (Blackwood's Philosophical Classics).

RUSSEL: Problems of Philosophy (Home University Library).

MAX MULLER: Six Systems of Indian Philosophy;

GARBE : Outlines of Indian Philosophy;

Sankhy-tattva Kaumudi.

HONOURS COURSE.

Besides the papers mentioned above, candidates offering the Honours course to take up an advanced course in Logic. One paper of three hours' duration to be set, and 33 percent of the total marks to be assigned to Indian Logic.

Books recommended for study :—

BAIN : Logic—Deductive and Inductive.

WELTON : Manual of Logic—Deductive (omitting Books IV Chapters III-VI) and Inductive.

CREIGHTON : Introductory Logic (Part III only).

Tarkabhasa of Keshava Misra.

Books to be consulted :—

MILL : System of Logic ;

JEVONS : Principles of Science ;

PEARSON : Grammar of Science ;

GIBSON : Problem of Logic ;

BOSANQUET : Essentials of Logic ;

JOSEPH : Introduction to Logic ;

B.N. SEAL : Positive Science of the Hindus Chapter VII.

Gautama Sutras with Vishwanath Vritti ;

Padartha-Sara of Kesava Misra (Panini Office, Allahabad)

The candidate could also offer any one of the following alternative subjects for the honours course instead of Logic.

(a) History of Philosophy with special study of a particular author to be selected by the candidate.

(b) Social Psychology and Sociology.

(c) A branch of Indian Philosophy other than Sankhya such as Nyaya-Vaisesika, Vedanta, (Advaita and Vishishtadwaita) or Jain-Buddha Philosophy.

Mathematics.

THREE papers, each of three hours' duration.

(i) The *first* paper to be on Algebra, Trigonometry and Analytical Geometry.

(ii) The *second* to be on Differential and Integral Calculus, and

(iii) The *third* to include Statics, Kinetics of a Particle and Hydrostatics.

FIRST PAPER.

Algebra.—Convergency and divergence of series. Simple continued fractions. Partial fractions. Easy inequalities, Determinants. Elimination.

Trigonometry.—Inverse trigonometrical functions. De Moivre's theorem. Summation of trigonometrical series. Hyperbolic function. Expansion of trigonometrical functions.

Analytical Geometry.—The straight line, circle, parabola, ellipse, hyperbola, and the general equation of the second degree, treated by means of rectangular, oblique, and polar co-ordinates.

SECOND PAPER.

Differential Calculus.—Differentiation. Successive differentiation. Development of functions. Indeterminate forms. Partial differential co-efficients. Maxima and minima for a single variable. Tangents and normals to curves. Asymptotes. Multiple points on curves. Envelopes. Convexity. Concavity. Points of inflexion. Radius of curvature. Evolutes. Curve tracing.

Integral Calculus.—General methods of integration. Standard forms. Integration by parts. Formulæ of reduction. Rectification of plane curves. Quadrature. Surfaces and volumes of solids of revolution.

THIRD PAPER.

Statics.—General conditions of equilibrium of a particle and of a rigid body under the action of forces in one plane. The principle of virtual work. Simple machines. Friction. Centres of gravity. Common catenary. Hook's Law.

Kinetics of a Particle.—Velocity and acceleration. Newton's Laws of Motion. Work and Energy. Rectilinear Motion. Projectiles in vacuum. Circular and Harmonic Motion. Simple and Cycloidal Pendulum. Impact.

Hydrostatics.—Fluid pressure. Pressure on immersed surfaces. Conditions of equilibrium of a floating body. Specific gravity. Properties of gases. Machines depending upon fluid pressure.

Books recommended:—

1. HALL AND KNIGHT : Higher Algebra,
2. LONEY : Trigonometry, Part II
3. C. SMITH : Analytical Conics.
4. EDWARD : Differential Calculus for Beginners.
5. GANESH PRASAD : Differential Calculus.
6. „ „ : Integral Calculus.
7. LONEY : Treatise on Elementary Dynamics.
8. First three chapters of Williamson and Tarleton's Dynamics.
9. ROUTH OR MINCHIN : Statics Part I.
10. BESANT : Elementary Hydrostatics.

HONOURS COURSE

In addition to the three papers of the ordinary course there to be a paper of three hours' duration on an advanced course covering the undermentioned syllabus:

Differential Equations.

Standard forms of ordinary differential equations of first order. Linear ordinary differential equations with constant co-efficients. Simple geometrical and dynamical applications.

Geometrical Constructions.

Algebraic equations solvable by square roots. The Delian problem and the trisection of the angle. The division of the circle into equal parts. The construction of the regular polygon of seventeen sides. Cantor's demonstration of the existence of transcendental numbers. The transcendence of the number e . The transcendence of the number π . The inter-graph and the geometrical construction of π

Astronomy.

The Earth. Transit instrument. Meridian circle. Equatorial Sextant and Micrometer. Atmospheric refraction. The

sun and the solar system. Parallax. Determination of the First point of Aries. Precession. Notation. Aberration. The Moon. Lunar and solar eclipses. Measurement of time. Determination of latitude and longitude by simple methods

BOOKS RECOMMENDED.

G. Prasad's Integral Calculus, (Longmans, Green & Co.) pages 186-206.

Klein's Famous Problems in Elementary Geometry
(Translated into English by Beman and Smith)

D. N. Mallik's Elementary Astronomy (Cambridge University Press.)

Political Economy and Political Philosophy.

THREE papers as noted below, each of three hours' duration. A fourth paper of three hours to be added for the Honours course.

Ordinary Course

PAPER I.—

General economic principles with their applications to Indian conditions.

Books recommended.

MARSHALL: Economics of Industry.

GIDE: Political Economy (Archbold's Translation).

MORRISON: The Economic Transition in India.

PAPER II.—

Banking, Currency and Finance to be studied in greater detail with special reference to Indian conditions.

Books recommended:—

WITHERS: Meaning of Money.

ARMITAGE SMITH: The Principles and Methods of Taxation.

ALSTON: Elements of Indian Taxation.

KEYNES: Indian Currency and Finance, (Omitting 6th and 8th Chapters).

PAPER III.—

Political Science.

LEACOCK: Elements of Political Science.

MARRIOT: English Political Institutions.

MONTAGU—Chelmsford Report (First Seven Chapters only.)

Reforms Act of 1919 and the Reports of the Joint Committee.

Honours Course.

PAPER IV.—

Indian Trade Review and the Financial Statement for the two years immediately preceding that in which the examination is held.

CUNNINGHAM: Western Civilisation in its Economic Aspects. Vol. II. Modern Times.

TAUSSIG: Some Aspects of the Tariff Problem.

LEES SMITH: India and the Tariff Problem.

For further consultation:—

CHAMBERLAIN's Commission Report on Indian Currency.

The latest Decennial Moral and Material Progress Report.

History.

THREE papers, each of three hours' duration. A *fourth* paper of three hours to be added for the Honours Course.

ORDINARY COURSE.

PAPER I.—

(Europe from 1453, with special reference to the 19th Century).

A.J. GRANT: History of Europe, new ed. Part III only.

SEIGNOBOS: Contemporary Civilisation.

LIPSON: Europe in the 19th Century.

PAPER II.—

Either A (Ancient India).

V.A. SMITH: Early History of India.

„ „ Asoka (Rulers of India).

RHYS DAVIDS: Buddhist India (Story of Nations).

or B. (Mediæval India).

LANE POOLE—Mediæval India under Muhammadan Rule

„ „ Mediæval India from Contemporary
Sources (Cooper & Co.)

V.A. SMITH: Akbar the Great Mughal.

RANADE: Rise of the Maratha Power, Vol. I.

or C. (*British India*).

LYALL: Rise and Expansion of the British Dominion.

INNES: Short History of the British in India under early
British Rule.

R. C. DUTT: Economic History of India under early
British Rule,

„ Economic History of India in the Victorian Age.

PAPER III.—

(Economics and Political Science).

ELY AND WICKER: Elementary Principles of Economics,
revised and adopted for English students by L. L.
Price (Macmillan).

LEACOCK: Elements of Political Science.

[The student recommended to consult Seeley's Introd, to Political Science also]

HONOURS COURSE.

PAPER IV—

Either A (History of England from 1785).

J. R. GREEN:—Short History of the English People, new ed by Mrs. Green,

TOWNSHEND WARNER: Landmarks of Industrial History.

MONTAGUE: Elements of English Constitutional History.

or B.—India under the Crown.: Political, Social, Religious and Cultural Developments.

The Montague-Chelmsford Report on Indian Constitutional Reforms.

M. G. RANADE: Social and Religious Reform.

PROFESSOR SISSON: The Renaissance in India
Cambridge Modern History Vol. XII.

R. C. DUTT: India in the Victorian Age.

M. A. Examination, 1923.

mskrit.

The students to take one of the Groups A to H.

GROUP A.

Vedic Literature

Paper I.—

(a) Selected portions of Vedic Samhitas:—

Yajurveda—Adh. 16.

Rigveda—Mandala X.

Atharva Veda—Chs. 1 and 2.

- (b) Brahmana—Aitareya (last chapter.)
- (c) Upanisad—Taittiriya.
- (d) Aranyaka—Aitareya.

Paper II.—

- Sayana's Introduction to his Rigvedabhasya.
- Brihaddevata.
- Nirukta Chapter I (Devata Kanda).

Paper III.—

- Macdonell's Vedic Grammar for students.
- Vaidiki Prakriya. (Panini).
- Bhandharkar's Wilson Philological Lectures, Lecture I.
- Dr. Gune's Introduction to Comparative Philology.

Paper IV.—

- Composition.

GROUP B.

Vyakarana.

Papers I & II.—

- Siddhantakaumudi (omitting Svaraprakriya) or Astadhyayi with Kashika.
- Muir's Texts, Vol. II.

Paper III.—

- Vaiyakaranabhusanasara.
- Mahabhasya—Paspashahnika.

Paper IV.—

- Composition.
- JOYCE—Principles of Comparative Philology.
- Introduction to the Study of the History of Languages.

GROUP C.

Kavya-Sahitya.

Paper I.—

Valmikiya Ramayana—Sundara Kanda.

Mahabharata—Karna Parva.

Srimadbhagavata Skandha VIII.

Buddhacharita (Cantos I and VIII).

Naisadhacharita—Cantos I to III.

Hira Saubhagya.

Vasavadatta.

Nalachampu.

Paper II.—

Svapnavasavadatta.

Mrichchhakatika.

Malatimadhava.

Prabodhachandrodaya.

Anargharaghava.

Venisamhara.

Mudrarakshasa.

Balaramayana.

Paper III.—

Kavya Prakasa.

Dasarupa.

Rasagangadhara Chapter II (Dwitiya Anana).

Bharata Natya Sastra Chapter VI (Rasadhyaya) and
VII (Bhavavyanjanadhyaya).

Paper IV.—

Composition.

GROUP D.

Dharmasastra.

Paper I.—

Manu.

Yajñavalkya, with Mitaksara on Vyavahara.

Āpastamba—Dharmasastra.

Paper II.—

Jīmūtavahana Dayabhaga.

Nīlakantha—Vyavaharamayukha.

Viramītrodaya—Paribhasaparakasa.

Paper III.—

Jaiminiya-Nyayamañavistara (Adhs. 1 to 3).

Paper IV.—

Composition.

GROUP E.

Mīmamsa.

Paper I.—

Sābara—I to III.

Tantravarttika I.

Paper II.—

Subodhinī (IV to XII).

Paper III.—

Prakaranapanchika.

Paper IV.—

Composition.

GROUP F.

Nyaya-Vaisesika.

Paper I.—

Vatsyayanabhasya.

Varttika—I.

Paper II.—

Nyayamanjari (Chapter on Prameya only).

Kusumanjali—Karikas, with Haridasi.

Nyayabindu.

Six Buddhist Nyaya Tracts (Bengal Asiatic Society).

Pariksamukhasutra.

Paper III.—

(a) Vaisesika-sutras.

(b) Prasastapada-bhasya.

(c) Nyaya-muktavali.

Paper IV.—

Composition.

GROUP G.

Vedanta.

Paper I.—

(a) Brihadaranyaka Upanisad V-VIII-2.

(b) Chhandogya Upanisad with Sankarabhasya.

(c) Bhagavadgita with commentaries of Sankaracharya and Ramanujacharya.

(d) Mandukyopanisad, Gaudapadakarika with Sankarabhasya.

Paper II.—

Sankara Sariraka Bhasya.

Anubhasya I, 1 to 3.

Tatwatraya of Lokacharya

or

Anubhasya I, 1 to 3.

Tattwatraya of Lokacharya.

Sankara's Dasaslōki with Siddhantabindu.

or

Ramanuja Sribhasya.

Anubhasya I, 1 to 3.

Sankara's Dasaslōki with Siddhantabindu.

Paper III.—

Sankshipta Sariraka of Sarvajnamuni.

Siddhantalesa of Appaya Dikṣita.

Panchadasi Chapters VI (Chitradīpa) VII (Triptidīpa)
and VII (Kutasthadīpa).

Jīvanamuktiviveka of Vidyaranya.

Paper IV.—

Composition.

GROUP H.

Epigraphy and Palæography.

Paper I.—

Ashoka and Kushana Inscriptions.

RAFSON: Ancient Indian Coins.

Paper II.—

Gupta Inscriptions.

Paper III.—

CUNNINGHAM'S Geography, with later identifications.

Kalhāna's Rajatarangini (Ch. 8) with Stein's Preface.

Ramacharitra (Memoirs: Asiatic Society of Bengal).

Paper IV.—

Composition.

English.

NINE papers for the M. A. Examination, each of three hours' duration, out of which the candidate

to take five. Two papers in Poetry, one in texts from Chaucer to the end of the 18th century and the other in texts of the 19th and 20th centuries. Two corresponding papers in Prose, and two in Drama, one on at least four representative plays of Shakespeare and the other on other specimens of English Dramatic Literature. Also a paper on representative specimens of English Criticism, and two others, one in the History of English literature and the other in Essay-writing, on an advanced literary subject. A knowledge of the History of English Literature to be demanded of the student, not only in the special paper on the subject, but also on all the papers on text-books, and the examination in Shakespeare to include a general acquaintance with Shakespearian Art and Criticism.

N. B.—Alternative questions to be set at least to the extent of half the number of questions in each paper.

1. *Poetry—Part I.*

CHAUCER: Prologue.

MILTON: Paradise Lost, Books I to IV.

POPE: Essay on Criticism.

SPENCER: Faerie Queen Book I.

2. *Poetry—Part II.*

PALGRAVE: Golden Treasury Book IV (selections from Wordsworth, Byron, Shelley and Keats).

WARD: English Poets Vol. V (selections from Tennyson Browning, Morris, Swinburne, Meredith etc.)

3. *Prose—Part I.*

BACON: Essays.

English Essays; Selected by Peacock, Bacon to Goldsmith (Oxford University Press).

MILTON: Areopagitica.

ADDISON : Selections from the Spectator (Edited by
Lobban : Cambridge University Press).

GOLDSMITH : Vicar of Wakefield.

AUSTIN : Pride and Prejudice.

4. *Prose—Part II.*

MACAULAY : Essay on Milton.

English Essays : Goldsmith to Stevenson. Selected by
Peacock (Oxford University Press).

HAZLITT : Selected Essays. Edited by Sampson (Cam-
bridge University Press).

RUSKIN : Seven Lamps of Architecture.

THACKERAY : Vanity Fair.

MEREDITH : Egoist.

5. *Drama—Part I (Shakespeare).*

Richard III.

As you like it.

Macbeth.

The Tempest.

Books recommended :—

SIR SIDNEY LEE : Life of Shakespeare.

SIR WALTER RALEIGH : Shakespeare.

DOWDEN : Shakespeare's Mind and Art.

BRADLEY : Shakespearean Tragedy.

MOULTON : Shakespeare as a Dramatic Artist.

6. *Drama—Part II.*

MARLOWE : Tamburlaine.

SHERIDAN : The Rivals.

SWINBURNE : Atalanta in Calydon,

BERNARD SHAW : Arms and the Man.

Books recommended:—

SHELLING: English Drama (Dent's Channels of English Literature).

WARD: Dramatic Literature.

7. *Criticism—*

SIDNEY: Apology for Poesie.

ADDISON: Criticisms on Paradise Lost.

WORDSWORTH: Prefaces (Heath & Co.)

ARNOLD: Essays on Criticism (Second Series).

MEREDITH: Essay on Comedy.

Books recommended:—

SAINTSBURY: History of English Criticism.

HUDSON: Introduction to the Study of Literature.

COURTHOPE: Life in Poetry and Law in Taste.

8. *History of English Literature:—**Books recommended:—*

SAINTSBURY: History of English Literature.

LANG: History of English Literature.

For reference:—

WARD: English Poets.

CRAIK: English Prose.

MORLEY: English Men of Letters Series.

HUDSON: Introduction to the Study of Literature (Harrap).

COWL: Theory of Poetry in England (Macmillan).

HEPPLE: Lyrical Forms in English (Cambridge University Press).

COURTHOPE: History of English Poetry.

CHAMBERS' Cyclopædia of English Literature.

Cambridge History of English Literature.

OXFORD: Book of English Verse.

PALGRAVE: Golden Treasury.

9. *Essay.*

Pali.

FOUR papers, each of three hours' duration. Also a *viva voce* examination.

Paper I.—

Tharatherigatha, with Paramarthadipani by Dharmapala,

Paper II.—

Selections from Chullavagga and Mahavagga and Lalitavistara.

Paper III.—

Dighanikaya, Vol. I.

Bodhicharyavatara, with Commentary (Ch. 9 only.)

Paper IV.—

Kachchayana's Grammar.

History of Buddhist Literature.

Arabic and Persian.

FOUR papers, each of three hours' duration.

- (i) Essay in the Classical Language on some Literary Subject.
- (ii) Questions to be answered in English or Urdu or Hindi on the History of the Language and the Literature.

- (iii) The Verse Text-Books, and
- (iv) The special selected subject.

(A) ARABIC.

Maqamat of Hariri (whole).

Diwan of Hamasa (whole).

Diwan of Mutanabbi.

Travels of Ibn Batuta.

Farazdaq (first half).

Recommended for Study:—

Nicholson's *Literary History of the Arabs* (Fisher Unwin).

Special subject to be chosen from following:—

- (i) Arabic History and Geography.
- (ii) Arabic Logic and Philosophy.
- (iii) The Quran and Quranic Exegesis.
- (iv) Modern Egyptian Arabic as exhibited in Green's *Grammar and Selections*. (Oxford Clarendon Press).
- (v) Semetic Philology with special reference to Wright's *Comparative Semetic Grammar* (Cambridge University Press).

(B) PERSIAN.

Haqa'i of Ni'mat Khan.

Akhlaq-i-Jalali.

Letters of Abul-Fazl.

Diwan of Saib.

Qasidas of Anwari.

Shahnama of Firdausi.

Tazkirat-us-Su'ara of Daulat Shah.

Recommended for Study:—

Browne's Literary History of India (Fisher Unwin).

Shi'r-ul-Ajam by Shibli. (Dar-ul-musannifin, Azamgarh).

Special subject to be chosen from the following:—

- (i) Old Persian Inscriptions as given in Tolman's book. (American Book Company).
- (ii) Avesta Grammar and Selections from the Avesta, published by A. V. Williams Jackson.
- (iii) The differences between modern and classical Persian, as shown in Roger's Persian Plays, the Vazir-i-Lankuran, and Philott's Modern Persian Stories (Asiatic Society of Bengal).
- (iv) Persian Philology with special reference to Gray's Indo-Iranian Philology. (Columbia University Press).

Philosophy.

N. B.—The books recommended for study are not meant to be used as prescribed text books but as indicating the general scope of studies in the subjects to which they relate. In Indian Philosophy, however, the questions should be confined as far as possible, to the books recommended.

Four papers in all. Paper I and Paper IV compulsory. The candidate to choose, for the remaining two papers, a subject under Group A, or Group B, or C or D. Each of the papers of three hours' duration. Also a *viva voce* examination of a general nature.

Paper I.—

General Philosophy.

Books recommended for study:—

- (1) MARVIN: Introduction to Philosophy.

- (2) HEGGELING: Problems of Philosophy.
- (3) SCHILLER: Riddles of the Sphinx.
- (4) BERGSON: Introduction to Metaphysics.
- (5) MC DOUGALL: Mind and Body.

Books that may be consulted:—

SPENCER: First Principles;
 BRADLEY: Appearance and Reality;
 JAMES: Pluralistic Universe;
 SCHILLER: Studies in Humanism;
 STURT: Personal Idealism;
 PAULSEN: Introduction to Philosophy.

Papers II and III.—

GROUP A.—Special study of any one of the following systems of Indian Philosophy:—

(a) NYAYA AND VAISESIKA

First paper—Gautama Sutras with Vishwanatha *Vritti*.

Second paper—Kanada Sutras with Upaskara or Prasastapada.

Books that may be consulted:—

Vatsyayana Bhasya on the Gautama Sutras;
 Kanada Sutras and *Vritti* of Jayanarayana;
 Chandrakantiya Bhasya on Kanada Sutras;
 J.C. CHATTERJI: Hindu Realism;
 B.N. SEAL: Positive Science of the Hindus Chapter VII;
Nyaya-Kandali

(b) SANKHYA-YOGA.

First paper—Kapila Sutras with Aniruddha *Vritti* and Tattwa-kaumudi.

Second paper—Patanjala Sutras with Vyasa *Bhasya* and the Vritti called Maniprabha.

Books that may be consulted:—

VIJÑANABHIKSHU'S Commentary on the Kapila Sutras and Yogavartika;

Tattvasamasa Sutras;

Srinad Bhagavatam (portions bearing on the subjects here) ;

Yogavashistham;

VACHASPATI MISRA'S Vaisaradi on the Vyasa *Bhasya*

(c) VEDANTA.

First paper—Panchadasi (the whole); Brahma Sutras with Sankara *Bhasya* (Sutras 1-4).

Second paper—Ramanuja *Bhasya* (the entire commentary under Sutras 1-4).; Lokacharya: Tattwatray (Chowkhamba series)

Books that may be consulted:—

Vedantaparihasa

Siddhantaresha ;

DEUSSEN: Philosophy of the Upanisad;

Vedārtha Samgraha of Ramanuja;

DEUSSEN: System of the Vedanta.

(d) Jaina and Baudha Philosophy.

(e) Mimamsa

GROUP B.—Psychology (Special.)

First paper—Psychology, Physiological and Abnormal.

Books recommended for study:—

(1) ZIEHEN: Introduction to Physiological Psychology.

(2) WUNDT: Principles of Physiological Psychology.

Vol. I (translated by E. B. Titchener).

- (3) MERCIER: Psychology—Normal and Morbid.
 (4) MYERS: Human Personality.

Books that may be consulted:—

LADD: Physiological Psychology;
 TITCHENER: Text book of Psychology;
 MAUDSLY: Abnormal Psychology;
 SIDIS AND GOODHART: Multiple Personality;
 JASTROW: The Sub-conscious;
 BIANCHI: Psychiatry (English Translation.)

N. B.—Comparative Study of Western and Indian Psychology will be required.

Second paper.—Psychology—Comparative. Social and Religious.

Books recommended for study:—

- (1) LLOYD MORGAN: Comparative Psychology.
 (2) HOBHOUSE: Mind in Evolution.
 (3) Mc DOUGALL: Introduction to Social Psychology.
 (4) STARBUCH: Psychology of Religion,

Books that may be consulted:—

WUNDT: Human and Animal Psychology;
 ROMANES: Mental Evolution in Animals;
 ROSS: Social Psychology;
 BALDWIN: Mental Development—Social and Ethical Interpretation;
 JAMES: Varieties of Religious Experience;
 WATSON: Interpretation of Religious Experience (Gifford Lectures)
 GROF C,—Logic.

First paper—Logic—Formal and Symbolic.

Books recommended for study:—

- (1) KEYNE: Formal Logic.
- (2) HUGH MACCOLL: Symbolic Logic.
- (3) SCHILLER: Formal Logic.

Books that may be consulted:—

DEWEY: Studies in Logical Theory;
 SIDGWICK: Application of Logic;
 JEVONS: Principles of Science, Book I;
 VENN: Symbolic Logic.

Second paper.—Logic as Theory of Knowledge and
 Methodology.

Books recommended for study:—

- (1) HOBHOUSE: Theory of Knowledge.
- (2) LOTZE: Logic.
- (3) VENN: Empirical Logic.
- (4) ADAMSON: History of Logic.

Books that may be consulted:—

MILL: System of Logic.
 JEVONS: Principles of Science;
 SIGWART: Logic;
 BRADLEY: Principles of Logic;
 BOSANQUET: Logic or Morphology of Thought;
 B.N. SEAL: Appendix to Dr. P.C. Roy's Hindu Chemistry,
 Vol. II.

N.B.—Comparative study of Western and Indian Logic
 will be required.

GROUP. D.—Ethics and Social Philosophy

First paper—Ethics.

Books recommended for study:—

- (1) GREEN; *Prolegomena to Ethics*.
- (2) WUNDT: *Ethics*.
- (3) ALEXANDER: *Moral Order and Progress*.
- (4) ROGER: *Short History of Ethics*.

Books that may be consulted:—

ARISTOTLE: *Nicomachean Ethics*;
 ROYCE: *Philosophy of Loyalty*;
 KANT: *Theory of Ethics* (Abbot);
 STERRET: *Ethics of Hegel*;
 MARTINEAU: *Types of Ethical Theory*;
 SIDGWIC: *Methods of Ethics*;
 LESLIE STEPHEN: *Science of Ethics*;
 WILLIAMS: *Evolutional Ethics*;
 TAYLOR: *Problem of Conduct*;
 SIDGWICK: *History*.

*Second paper—Social Philosophy.**Books recommended for study:—*

- (1) MACKENZIE: *Outlines of Social Philosophy*.
- (2) GIDDING: *Principles of Sociology*.
- (3) BALDWIN: *Social and Ethical Interpretation of*

*Mental Development.**Books that may be consulted:—*

SPENCER: *Principles of Sociology*;
 MAINE: *Ancient Laws*;
 TAYLOR: *Primitive Culture*;
 TARDE: *Social Logic*.
 FRASER: *Psyche's Task*;
 WESTERMARCH: *History of Moral Ideas*;

N.B.—Comparative study of Western and Indian Ethics and Sociology will be required.

GROUP E.—Comparative Religion.

PAPER IV—Essay.

N. B.—Alternative questions (one of which to be attempted) to be set on the subject of special study offered by the candidates.

History.

Paper I.—

International Law and Politics.

HALL: Treatise on International Law.

GETTELL: Introduction to Political Science.

DE BURGH: Legacy of Greece and Rome.

HAMMOND: Comparative Politics.

Paper II.—

Subject chosen for the examination of 1919—'23: England from 1865 to 1885.

H. PAUL: History of M. England, Vols. 3 and 4.

MORLEY: Life of Gladstone, Bks. 5-8.

Cambridge Modern History.

Paper III.—

A period of cultural history or a select personage. Subject chosen for the examination of 1919—'23:—Periclean Greece.

HOLM: History of Greece. Vol. 2.

THUCYDIDES: History, tr. by Dale, 2 Vols. (G. Bell.)

GREENIDGE: A handbook of Greek Constitutional History. (Relevant chapters only.)

W.FOWLER: City State of the Greeks and Romans. (Relevant chapters only.)

MAHAFFY: Social Life in Greece.

„ History of Classical Greek Literature, 2 Vols.
(Relevant chapters only.)

G. MURRAY: Euripides and His Age (Home University.)

Paper IV—

An essay on any subject included in the course.

Papers V—VII A GROUP.

(i)—(Ancient Hindu India.)

RAPSON: Indian Coins.

SCHOFF: Periplus.

Mc CRINDLE: Megasthenes and Arian.

SHAMA SHASTRI: *Artha Shastra*. English.

MACDONELL: History of Sanskrit Literature.

KAEGI: *Rig Veda*.

FLEET: Gupta Inscriptions (*Corpus Inscript. Indic*
Vol, III.)

[The student is expected to possess an up-to-date
knowledge of the Ancient Geography of India.]

(ii)—(The Buddhistic World.)

KERN: Manual of Indian Buddhism.

BUHLER: Indian Sect of Jainas.

BEAL: Buddhist Records of the Western World,
2 vols.

Asoka's inscription as in *Epigraphia Indica* Vol. II

GILES; Civilisation of China (Home University.)

(i ii)—(The Ancient East.)

HALL: Ancient History of the near East.

BUDGE: Egyptian Religion.

[The student should consult:--

” ” ” Babylonia.

[ASTROW: Civilisation of Babylonia and Assyria.]

(i)—(Mediæval India).

J.N. SARKAR: History of Aurangzib.

V.A. SMITH: Akbar the Great Moghal.

GRANT DUFF: History of the Mahrattas, vols I and 2, chs. 1-7 (or to the death of Madhav Rao 1772).

(ii) — (The Islamic World outside India).

MUIR: The Caliphate, new ed, by Weir.

Cambridge Mediæval History, Vol II Chs. 10-12.

LANE POOLE: History of Egypt under the Arabs
(Methuen):

: Moors in Spain (Story of Nations).

(iii) — (Mediæval Europe.)

Cambridge Mediæval History, Vols. 1-3.

BRYCE: Holy Roman Empire.

V. DURUY: History of the Middle Ages (G. Bell).

E. JENKS: Law and Politics in the Middle Ages
(Murray.)

SEIGNBOS: Mediæval Civilisation

Papers V—VII. C. GROUP.

- (i)—(British India, a select period; from Cornwallis to Wellesley)

Fifth Report ed. by Firminger, Vol. I.

M. M. D. L. T: History of Haidar Naik and Tipu Sultan.

S. OWEN; Selections from Wellesley's Despatches.

„ : Selections from Wellington's Indian Despatches,

DUFF: History of the Mahrattas, Vol III. Chs. 3-15

MILL AND WILSON: History of India Bk. VI, being Vols. 5 and 6 of the Fourth Edition.

- (ii)—(India under the Crown).

A. RANGASWAMI AIYANGAR: Indian Constitution.

P. MUKHERJI: Indian Constitutional Documents.

[And other books to be announced later.]

- (iii)—(Economic History of India from 500 A.D.)

MACPHERSON: History of European Commerce with India.

Blochman and Jarrett. *Ain-e-Akbari* Vols. I and 2.

TAVERNIER: Travels, tr. by Ball.

J. N. SANKAR: India of Aurangzeb—Statistics, Topography and Roads.

BADEN POWELL: Land Revenue in British India.

S. C. ROY: Famines in India.

R.C. DUTT: Economic History of British India 2 vols

Moral and Material Progress Decennial Reports. 1901 and 1911.

The candidate to offer any four of the above seven papers at the Examination. No exchange of papers between Groups A, B, and C, allowed.

Political Economy and Political Philosophy.

SEVEN papers in all out of which four papers including the Essay paper to be taken by the candidate.

Paper I.—

Analytical Economics and History of Economic Theory.

Books recommended:—

MARSHALL: Principles of Economics.

GIDE AND RIST: History of Economic Thought.

BOHM BAEWORK: Positive Theory of Capital.

CARVER: Distribution of Wealth.

CLARK: Essentials of Economic Theory.

Paper II.—

Economic History of England and India and Modern
Tariff History.

(Students expected to show knowledge of the general history of the 19th century as outlined in such an elementary book as Robinson's Development of Europe Vol II.)

Books recommended:—

MEREDITH: Economic History of England.

CUNNINGHAM: Commerce and Industry Vol II Part II.

ASHLEY: Economic Organisation of England.

FOYENBEE: Industrial Revolution.

ASHLEY: Modern Tariff History.

TAUSSIG: Tariff History of the United States.

CHOLMELY: Protection in Canada and Australia.

R. C. DUTT: India under Early British Rule and India in
the Victorian Age.

Paper III.—

Principles and History of Political Philosophy.

BLUNTSCHLI: Theory of State.

GREEN: Lectures on Political Obligation.

JETHRO BROWN: Underlying Principles of Modern Legislation.

DUNNING: History of Political Theories, 2 vols.

E BARKER: Political Thought from Spencer to to-day

RANGASWAMI IYENGAR: Some aspects of Ancient Indian Polity.

Paper IV.—

Essay on some Economic or Political Subject.

EITHER Group A. Economics.

Paper V.—

Money, Banking, Prices and Finance with special reference to India.

CONANT: Principles of Money and Banking.

FISHER: Purchasing Power of Money.

WITHER: Money Changing.

BASTABLE: Public Finance.

GUSTAV COHN: Public Finance.

LAYTON: Introduction to the Study of Prices.

DATTA: Report on High Prices in India.

CHAMBERLAIN: Commission Report on Indian Currency.

Indian Financial Statements from 1906-1917.

Paper VI—

A special Indian Economic Problem to be studied in greater detail, *e g.*

A. Co-operation.

B. The Problem of Indian Manufactures.

C. Indian Agriculture.

D. Transport (including Shipping,)

E. Famines.

Note.—The books to be studied for this paper to be announced from time to time according to the subject which is selected by the University Professor for a particular year.

Books recommended to be studied under E. Famines for M.A. 1923—Reports of the Famine Commissions.

If these not available in time the following books to be substituted.

DUTT: Famines in India.

LOVEDAY: Economics of Famines in India.

S.C. RAY: Economic Causes of Famines in India.

DIGBY: Famine campaigns in Southern India (2 volumes)

Paper VII.—

Either Theory and Practice of Statistics

Books recommended:—

BOWLEY: Elements of Statistics.

YULE: Introduction to the Theory of Statistics.

GIFFEN: Economic Inquiries and Studies, 2 vols.

Or Social, Economic and Labour Problems.

Books recommended:—

ROWNTREE: Poverty.

S. B. WEBB: Public Organisation of the Labour Market.

WEBB: Industrial Democracy.

GRAHAM: Socialism, new and old.

BUSHILL: Profit—Sharing and Labour Questions.

SCHLOSS: Methods of Industrial Remuneration.

PIGOU: Unemployment.

Or Group B. Political Philosophy.

Paper V—

Constitutional organisation of the British Empire, the Self-Government Dominions and India.

Books recommended:—

DICEY: Law of the Constitution.

LUCAS: Historical Geography of the British Colonies.

KEITH: Responsible Government in the Dominions.

BRAND: Union of South Africa.

CURTIS: The Problems of the Commonwealth.

DURHAM: Report on Canadian Self-Government.

ILBERT: Government of India.

LEE WARNER: Native States of India,
Report of the last Imperial Conference.

Paper VI—

International Law with reference to Political and Economic Institutions.

Books recommended:—

HALL: Treatise on International Law.

WESTLAKE: Principles of International Law.

BOSANQUET: International Ideals.

HIGGINS: Hague Peace Conference.

F. E. SMITH: International Law.

Paper VII—

Either Comparative Study of Social and Political Institutions.

MAIN: Ancient Law (Pollock's Edition).

COULANGE: Ancient City.

FISHER: Bonapartism.

CARVER : Sociology and Social Progress.

GIDDINGS : Democracy and Empire.

KIDD : Social Evolution.

RISLEY : Census Report for India 1901,

Or Colonial and Local Government,

REINSCH : Colonial Government and Administration.

LEWIS : Government of Dependencies

FAIRLIE : Municipal Administration,

GOODNOW : City Government in U. S. A.

SHAW : Municipal Government in Continental Europe,

P. ASHLEY : English Local Government.

DAWSON : Municipal Life and Government in Germany.

Mathematics.

The examination to consist of *four* papers, each of three hours' duration. Candidates required to offer Group A and either to take any two subjects from Group B or any two subjects from Group C.

GROUP A.

(1) Algebra, Trigonometry and Theory of Equations, as in Chrystal's Algebra, Part II, Chapter XXXI, Chapter XXXV, Arts, 1-18.

HOBSON'S Trigonometry, Chapters XIII-XVIII.

BURNSIDE AND PANTON'S Theory of Equations, Part I, and Chapter XIII of Part II.

(2) Analytical Conics and Differential Equations as in Askwith's Analytical Geometry of the Conic Sections Chapters XIV to XIX, and Forsyth's Differential Equations excluding Jacobé's Method and Partial Differential Equations of 2nd and higher orders with variable coefficients.

GROUP B.

(1) Spherical Astronomy as in Sir K. S. Ball's *Treatise on Spherical Astronomy*.

(2) Hydrostatics and Hydrodynamics.

(3) Harmonic Analysis with applications as in Byerley's *Fourier's Series and Spherical Harmonics*.

(4) Dynamical Astronomy including Lunar and Planetary Theories as in Plummer's *Dynamical Astronomy*.

GROUP C.

(1) Theory of Aggregates and Theory of Functions of a Real Variable as in Syllabus given in Schedule A.

(2) Theory of Functions of a Complex Variable as in BURKARDT's book (translated by Resor) or in Goursat Vol 2 Part I.

(3) Differential Geometry, as in Syllabus given in Schedule B.

(4) Non-Euclidean Geometry (as in Chapters I-VII, IX and XI-XIV of Coolidge's *Non-Euclidean Geometry*) and Projective Geometry as in Cremona's *Projective Geometry* or Mathew's *Projective Geometry*).

N. B.—In Coolidge's *Non-Euclidean Geometry*, those parts of Chapters VIII and X which may be considered absolutely necessary for understanding the twelve Chapters mentioned above should also be studied.

SCHEDULE A.

I. Theory of Aggregates.

1. Irrational numbers. Cantor's and Dedekind's Theory. Arithmetical Theory of Limits. Convergent sequences.

2. Theory of Aggregates or sets of points.

(a) Definitions:—Limiting point, everywhere dense, dense in itself, closed, perfect, non-dense sets.

- (b) Power or Potency of an Aggregate. Enumerable and unenumerable Aggregates, with fundamental theorems about rational, algebraic and real numbers.
- (c) Derivatives of Aggregates. Aggregates of 1st and 2nd species, and those of the 1st and 2nd category.
- (d) The content and measure of Aggregates.
- (e) Heine-Borel Theorem on sets of intervals.
- (f) Non-dense closed sets.

II. *Theory of functions of a Real Variable.*

1. Functions of real variables.

- (a) Continuity of functions of one or two real variables. Uniform continuity. Discontinuities of the 1st and 2nd kind. Pointwise discontinuous functions and totally discontinuous functions.
- (b) Monotone functions and functions of bounded variation or limited total fluctuation.
- (c) The derivatives of functions. Some important properties of derivatives. Continuous functions not possessing a differential co-efficient anywhere in a given interval. Partial differential coefficients. Cases in which $\frac{d^2f}{dx dy}$ differs from
Maxima and minima of one or two real variables.

2. Integration.

Riemann's definition of Integration. Lebesgue's definition of Integration. Important properties of the definite Integral. The fundamental theorem of the Integral Calculus. Mean Value Theorems, Improper Integrals. Definitions of double and repeated integrals. Content and measure of two-dimensional sets. Rigorous proof of the rule for Integration by parts.

3. Series of Real Variables:—

- (a) Convergence of series. Uniform convergence. Tests of uniform convergence. Continuity of the sum function.
- (b) The convergence of power series. Product of two series. Taylor's Theorem. Lagrange, Cauchy and Schlomilch's forms for the Remainder in Taylor's Series. Expansibility in Taylor's series.
- (c) Double sequence and double series.
- (d) Differentiation and integration of series,
- (e) Cantor method of condensation of singularities.
- (f) Weierstrass's theorem on the representation of a continuous function by a series of polynomials.

Books suggested for consultation:—

HOBSON: Theory of Functions of a Real Variable (Camb. University Press).

PIERPOINT: Theory of Functions of a Real Variable (Ginn & Company, Newyork.)

SCHEDULE B

I. Curves in space. Radii of curvature. Torsion. Spherical curvature. Frenet's Formulæ, Moving Trihedron. Some special curves (e. g. the Helix, the Bertrand Curves etc.)

II. Surfaces:

- (a) The fundamental forms. The three fundamental differential equations, Gaussian curvature Asymptotic lines. Lines of curvature. Conjugate lines.
- (b) Developable surfaces, Surfaces of constant positive curvature. Surfaces of constant negative curvature. Minimal surfaces. Some other special surfaces.
- (c) Orthogonality. Condition to be satisfied by orthogonal surfaces. Properties of orthogonal surfaces.

- (d) Lines drawn on surfaces. Geodasic lines and their properties including those relating to curvature. Geodasic triangles. Isothermal lines.
- (e) Quadrature and Cubature.

B. Sc. Examination 1923.

English.

A paper on General Composition of three hours, and another on Special Composition, of the same duration, bearing on books prescribed for general study, some of which to treat of scientific subjects. Also a *viva voce* examination.

Non-detailed study—As in the B. A. but for Newman's Literary Selections and De Quincey's Confessions of an Opium Eater there to be substituted:

R.A. GREGORY: Discovery and the Spirit of Science.
and
Sir Oliver Lodge: Pioneers of Science.

Mathematics.

(As in B. A.)

Chemistry.

Two papers, each of three hours' duration and two days *practical* examination.

INORGANIC CHEMISTRY.

The occurrence, preparation and properties of the elements and their more important compounds, excluding the rare elements, but including the following;

Lithium, Platinum, Argon, Helium, Selenium, Tellurium, Molybdenum, Thallium, Titanium and Tungsten.

... Radium and its more important properties.

ORGANIC CHEMISTRY.

General principles of Organic Chemistry, including qualitative and quantitative analysis.

Occurrence, preparation, general properties and constitutional formula of the following:—

Paraffin, its haloid derivatives, alcohols, ethers, aldehydes ketones, fatty acids, the acid chlorides, anhydrides, and amides; the esters, soaps, fats and saponification, hydrolysis.

Amines, cyanogen, hydrocyanic acid, nitriles and carbamines, potassium cyanide; ferro and ferricyanides; nitroparaffins.

Zinc ethyl and magnesium ethyl-iodide.

The olefines and acetylenes,

Ethylene, glycol, glycerine, nitro-glycerine, carbohydrates, glucose, cane sugar, starch and cellulose, inversion of cane sugar—optical activity.

Lactic acid and the stereoisomerism of the lactic acids.

Aceto-acetic ester and its synthetic uses.

Carbonic acid, carbonyl chloride and urea.

Oxalic acid and the synthetic uses of the malonic ester.

Tartaric acid and the stereoisomerism of tartaric acids and of the unsaturated dibasic acids.

Aromatic hydrocarbons; Kekule's theory; Armstrong's formula; orientation; nucleus and side chain compounds, benzene; toluene; common haloid derivatives of benzene; and toluene; nitro and dinitro benzene.

Amino compounds—aniline and benzylamine; diazo reaction diazo—benzene chloride; azo and hydrazo benzene—benzene sulphonic acids; phenol; benzyl alcohol; benzaldehyde; acetophenone; benzophenone; benzoic acid; benzoic anhydride; benzamide, benzoyl chloride and benzoic esters.

Elementary discussion concerning naphthalene and anthracene.

PHYSICAL CHEMISTRY.

Atomic and molecular hypothesis.

Kinetic theory of gases: Van Der Waal's equation.

The periodic classification of elements. Electrolysis. The theory of electrolytic dissociation. Gaseous dissociation. Spectrum analysis. Elementary ideas of the different crystallographic systems. Osmotic pressure and theory of dilute solutions. The determination of the atomic and molecular weights. Boiling and freezing point methods. Theories of mass action, of catalysis, of indicators. Phase rule. Thermochemistry. Elementary ideas about radio activity. Avidity of acids and bases. Relation between the chemical properties and the physical constants.

PRACTICAL CHEMISTRY.

7. Qualitative analysis of a mixture containing not more than four radicals (organic acids and bases excluded, except acetic, oxalic and tartaric. Platinum and gold also excluded).

2. Volumetric analysis—Alkalimetry. Estimation of iron by potassium permanganate and by potassium bichromate. Oxalic acid by permanganate. Iodine by thiosulphate.

3. Gravimetric Analysis of a silver coin and estimation of iron, barium, aluminium, zinc, magnesium and calcium in their simple salts. Estimation of chlorides and sulphates.

4. Detection of carbon, hydrogen, nitrogen, sulphur and chlorine in organic compounds. Determination of boiling and melting points. Fractional distillation. Distillation in steam.

5. Preparation of the following:—

Ethyl ether, ethyl-iodide. acetaldehyde, acetone, acetaldehyde, benzene, nitro-benzene. dinitro-benzene, chloroform iodoform, formic acid, diazo-benzene chloride, azo-benzene, aniline, phenol.

6. Preparation of any one of the following—one or two samples to be submitted at the end of two years to the examiner at the time of the practical examination. As far as possible, substances obtainable in India should be employed in this work. The candidates to find out their own information from books.

A sample of soap.

A sample of candle,

A sample of pure oil from crude oil,

A sample of one or two dye stuffs,

A sample of glass,

A sample of laboratory glass blowing, or

Any other similar product of every day use.

Attention is directed to the importance of candidates keeping complete records of their practical work. When presenting themselves for the examination, they are required to submit their note-books containing records of their practical work performed during the two last years' training for inspection, by the examiner, *who will take them into account in deciding the examination*. Candidates are expected to be able to use logarithms in their calculations. During the practical examination candidates *are at liberty to consult any books of reference which they choose*.

Books recommended:—

(THEORETICAL)

NEWTH : Inorganic Chemistry.

MELLOR : Modern Inorganic Chemistry.

ALEXANDER SMITH : General Inorganic Chemistry.

WALKER: Introduction to Physical Chemistry.

CAVEN AND LANDER: Systematic Inorganic Chemistry.

VAN DEVENTER: Physical Chemistry for Beginners.

COHEN: Theoretical Organic Chemistry.

PERKIN AND KIPPING: Organic Chemistry.

(PRACTICAL)

VELENTINE AND HODKINGSON: Practical Chemistry.

CLOWES: Qualitative Analysis.

CLOWES AND COLEMAN: Quantitative Analysis.

COHEN: Practical Organic Chemistry.

HONOURS COURSE.

An additional theoretical paper of three hours duration.

Physics.

The examination in Physics to consist of two papers.
each of three hours' duration.

1st paper.—

General properties of Matter, Sound and Heat.

2nd paper.—

Light, Electricity and Magnetism.

Also a Practical Examination in Physics,

Syllabus prescribed:—

GENERAL PROPERTIES OF MATTER.

Matter, Mass, Energy. Units and Dimensions. Use of Dimensional Equations. Newton's Laws of Motion. Atwood's Machine. Kepler's Laws. Laws of Universal Gravitation. Cavendish's Experiment. Boy's Experiment. Elementary Problems on Attraction. *e.g.*: attraction of a

Sphere and Spherical Shell at Internal and External Points. Attraction of a Disc. Gauss' Theorem. Definition of Potential and its determination in simple cases. Equipotential Surface and Lines of Force. and elementary propositions connected therewith. Definition of Elasticity. Hooke's Law. Young's Modulus. Modulus of Rigidity. Bulk Modulus. Definition of Moments of Inertia and Radius of Gyration. Calculation of Moments of Inertia in simple cases, *e. g.* thin rod, ring, rectangular and circular plates. cylinders, solid and hollow spheres, right cone.

Balance.

Boyle's Law. Air-pump.

Simple Harmonic Motion. Vibration of Simple Pendulum. Kater's Pendulum.

Cohesion of Liquids. Surface Tension and Viscosity, and their Determinations.

SOUND.

Production and Propagation of Sound. Determination of Velocity of Sound and its connection with the Elasticity and Density of the Medium, Doppler's Principle. Reflection, Refraction and Interference of Sound. Beats. Stationery and Progressive Undulations. Methods of determining Frequency and Wave-lengths of Notes. Vibration of Strings and Columns of Air. The application of Fourier's Theorem to the Analysis of Complex Sounds. Experimental Methods of Analysing Complex Sound. Lissajou's Figures. Structure of the Ear. Consonance and Dissonance. Application of the equation—

$$y = a \cos \frac{2\pi}{h} (vt - x)$$

to simple problems in Interference,

HEAT.

Thermometry. Co-efficients of Expansion and their Variation with Temperature. Unit of Heat and Calorimetry

Specific Heat. Change of State and Latent Heats. Vapour-Pressures and their Determination. Hygrometry, Radiant Heat. Its Reflection, Refraction, Absorption and Emission Prevost's Theory of Exchanges. Conductivity. Determination of Co-efficients of Conductivity. Indicator Diagrams. Carnot's Heat Engine. First and Second Laws of Thermodynamics. Four Thermodynamical Relations and their Simple Applications. Absolute Scale of Temperature. Determination of Mechanical Equivalent of Heat. Kinetic Theory of Gases. Van Der Waal's Equation.

LIGHT.

Propagation of Light. Determination of Velocity of Light. Reflection and Refraction. Mirrors and Lenses Dispersion and Spectrum Analysis. Spherical and Chromatic Aberration. Achromatic Lenses. Telescopes and Microscopes. Ramsden's and Huyghen's Eye-pieces. Elementary knowledge of the structure of the Eye and defects of Vision. Binocular vision. Undulatory Theory of Light. Rectilinear Propagation of Light. Deduction of the Laws of Reflection and Refraction. Interference of Light. Newton's Rings and Colours of Thin Plates. Diffraction. Double Refraction in Uniaxal Crystals. Quarter-wave Plate. Plane, Circular and Elliptically-polarised Light. Interference of Polarised Light. Rotation of Plane of Polarisation. Bi-quartz. Simple Polarimeter.

MAGNETISM,

Lines of Magnetic Force. Magnetic Potential. Action of one magnet on another, broadside or endways. Determination of Magnetic Moments. Horizontal component of Earth's Magnetic Force and the Dip. Magnetic Induction. Coefficients of Magnetisation and Induction. Permeability, Hysterisis, Diamagnetism.

ELECTRICITY.

Proof of the Law of Electric Repulsion. Induction. Specific Inductive Capacity. Thomson's Quadrant and Absolute

Electrometers. Calculation of Potential Capacity and Energy in simple cases. Frictional and Influence Machines.

The Electric Current. Galvanometer. Determination of Resistance. Ohm's Law. Joule's Law. Determination of E.M.F. and Internal Resistance of Batteries. Conjugate System of Conductors. Electrolysis and Electro-chemical Equivalents. Thermo-electric Currents. Peltier and Thomson Effects. Electromagnetism. Electromagnetic Induction. Co-efficients of Mutual and Self Induction. Ruhmkorff's Coil, Elementary Theory of Simple Dynamos. Motors and Transformers. Electrical Measuring Instruments. *e, g.* Ammeter, Voltmeter. Oscillations during discharge of a Leyden Jar and their relation to Hertzian Waves. A non-mathematical account of the Electro-magnetic Theory of Light. Discharge of Electricity through Gases. Cathode Rays and X Rays. Elements of Radio-activity.

Books suggested :—

WAGSTAFF: Properties of Matter.

CAPSTICK: Sound.

POYNTING AND THOMSON: Heat.

EDSER: Light.

WHETHAM: Experimental Electricity.

WATSON: Text-book of Physics.

POYNTING AND THOMSON: Sound.

For the Practical Examination the subjoined list of experiments indicated the ground to be covered :—

List of Experiments.

1. Balance. Mass and Densities.
2. Comparison of Lengths by the Travelling Microscope.
3. Determination of Co-efficient of Friction between a Rope and Pullèy.
4. Determination of Young's Modulus of a Wire.

5. Determination of Young's Modulus of a Bar.
6. Modulus of Torsion.
7. Moment of Intertia of a Fly-wheel.
8. Wheel and Ball on Inclined Plane.
9. Determination of "g" by Simple Pendulum.
10. Fortin's Barometer. Boyle's Law.
11. Determination of Height by Aneroid Barometer.
12. Determination of Surface Tension.
13. Velocity of Sound by Resonance.
14. Determination of Pitch by Sonometer.
15. Determination of Time by observation of altitude of Sun with a Sextant.
16. Determination of Refractive Index by the Microscope.
17. Focal Lengths of Mirrors and Lenses.
18. Magnifying Power of Telescopes, Microscopes.
19. The Spectrometer.
20. Photometry.
21. Determination of Wave-length by Plane Diffraction Grating.
22. Effect of steam exposure on Thermometer readings.
23. Co-efficient of Linear Expansion.
24. Weight Thermometer.
25. Constant Volume Air Thermometer.
26. Constant Pressure Air Thermometer.
27. Calorimetry.
28. Law of Cooling.
29. Dewpoint and Humidity.
30. Magnetic Moments and Neutral Points.
31. Determination of "H".
32. Determination of Dip.

33. Magnetic Field due to a Straight Current.
34. Variation of strength of Magnetic Field due to a Circular Coil with the distance along the Axis.
35. Comparison of E. M. F.'s by a Tangent Galvanometer.
36. Potentiometer.
37. Resistance of Accumulators.
38. Post-Office Box. Resistance of Coil, Galvanometer and Battery.
39. Electro-chemical Equivalent of Copper.
40. Electrical Determination of "J"

Book recommended for practical work:—

ALLEN AND MOORE: Text-book of Practical Physics.

An account of each experiment to be written in a special note-book liable to be examined. The account of each experiment to be signed by the Demonstrator and the books to be kept in his charge.

HONOURS COURSE.

An additional theoretical paper of an advanced character of three hours' duration.

Botany (with Vegetable Physiology)

Two papers as noted below, each of three hours' duration. Also a practical test.

1. *Histology*.—The detailed structure of plant cell. Primary and secondary tissues; their origin and distribution.

2. *Organography*.—The morphological differentiation of the plant body in the main groups of the Vegetable Kingdom. The morphology of the root and shoot in the Pteridophyta and Spermaphyta. The phenomena of alternation of generation and the homologies in the stages of the life history of the Archegoniates and Spermaphyta.

3. *Systematic*.—The systematic morphology and physiology of:—

FIRST PAPER.

A. Thallophyta,

- (i) Algæ:—Pleurococcous; Spirogyra; Oedogonium; Vaucheria; Fucus; Chlamydomonas; Volvox and Ulothrix.
- (ii) Fungi:—
 - (a) Phycomycetes:—Pythium or any other Oomycete; Mucor or any other Zygomycetes.
 - (b) Ascomycetes:—Peziza; Eurotium.
 - (c) Basidiomycetes:—Puccinia; Agaricus.

B. Bryophyta:—

- (i) Hepaticæ:—Marchantia.
- (ii) Musci:—A Funaria or any other Moss.

C. Pteridophyta:—

- (i) Lycopodiales:—Selaginella.
- (ii) Filicales:—Aspidium or any other fern; Marsilea.

D. Gymnosperma—Cycas—Pinus.

SECOND PAPER.

Angiosperma:—Liliaceæ. Palmaceæ. Gramineæ. Ranunculaceæ. Papaveraceæ. Cruciferae. Malvaceæ. Rutaceæ. Meliaceæ. Rhamnaceæ, Anacardiaceæ, Leguminosæ, Cucurbitaceæ. Cactaceæ. Umbelliferae, Compositæ, Solanaceæ. Labiatae. Euphorbiaceæ, Orchidaceæ, Ficoideæ, Amarantaceæ, Chenopodiaceæ, Salicaceæ, Moraceæ and Magnoliaceæ.

The characteristics of the above families to be illustrated by examples from the flora of the United Provinces.

Physiology—Turgidity and tension of tissues. The distribution of mechanical tissue, The Physiology of Nutrition, Respiration, Growth and Reproduction. The Phenomena of Movement. As elementary knowledge of Plant Ecology. Evolution, Variation and Heredity.

PRACTICAL WORK.

The candidates required (*a*) to examine and describe microscopic specimens, (*b*) to prepare and stain microscopic sections of plants and plant tissues, (*c*) to dissect and describe the plants and parts thereof, and (*d*) to refer the plants to their respective position in the foregoing syllabus for classification.

Also required to perform fundamental experiments in Plant Physiology.

N.B.—A record of all the practical work done in Laboratory to be produced at the time of practical examination.

Books suggested:—

SCOTT: Structural Botany, 2 Vols.

STRASBURGHER: Text-book of Botany.

COULTER, BARNES AND COWLES: Text-book of Botany
(American Book Company, Chicago).

J. W. OLIVER: Systematic Botany.

F. COVERS: Practical Botany (University Tutorial Press.)

STRASBURGHER AND AILLHOUSE: (Practical Botany-Sonnenschein).

W. C. STEVEN: Plant Anatomy.

D. H. SCOTT: Evolution of Plants.

HONOURS COURSE.

The special paper for the B. Sc. Honours to comprise any one the following.

- (1) Alges.
- (2) Angiosperms.
- (3) Physiology.

Zoology (with Animal Physiology).

Two papers as noted below, each of three hours' duration.
Also a practical test.

FIRST PAPER.

The structure and phenomena of the animal-cell treated in some detail. Asexual and Sexual Reproduction. Heredity, Variation, and Evolution.

The structure, habits, and development of the following groups, as illustrated by:—

PROTOZOA: Amœba, Paramœcium, Euglena and Monocystis.

PORIFERA: Sycon.

COELENTERATA: Hydra, Obelia, Aurelia, Alcyonium.

PLATYHELMINTHES: Liver-Fluke, Tœnia.

ECHINODERMATA: Asterias.

ANNULATA: Earthworm, Nereis and Leech.

ARTHROPODA: Prawn, Periplaneta, Anopheles (including an outline of the life-history of the Malaria Parasite), and Scorpion.

MOLLUSCA: Unio, a Pond Snail, and Sepia.

SECOND PAPER.

The general characteristics of animal tissues including blood, lymph, epithelia, together with the nervous and connective tissues.

The structure, habits and development of the following groups as illustrated by:—

ACRANIA:

HEMICHORDATA: Balanoglossus.

UROCHORDATA: Ciona or other Ascidian,

CEPHALOCORDATA: Amphioxus.

CRANIATA:

PISCES: Scyllium or other Elasmobranch.

AMPHIBIA: The Frog.

REPTILIA: Calotes.

AVES: Columba.

MAMMALIA: Echidna, a Marsupial, Lepus.

The outlines of the developments of Amphioxus, Frog, Chick, and Rabbit. Placentation.

Physiology.—The same as for the Intermediate, but a higher standard would be expected. Also an elementary knowledge of the structure and function of the nervous system and of the sense organs.

PRACTICAL WORK.

Candidates will be required to show a knowledge of microscopical work, to examine, dissect, and describe the animals named in the foregoing syllabus.

Note-books containing a record of laboratory work must be produced at the practical examination.

Books recommended.—

PARKER AND HASWELL: Text-book of Zoology, 2 Vols, (Macmillan.)

THOMSON: Outlines of Zoology (Pentland).

MARSHALL AND HURST: Practical Zoology, (Smith Elder).

WIEDERSHEIM: Comparative Anatomy of Vertebrates.

LOCK: Recent Progress in Heredity, Variation and Evolution.

KINGLEY: Comparative Anatomy of Animals.

G. BOURNE: Comparative Anatomy of Animals.

The additional paper will deal with group protozoa with special reference to pathogenic Types. The scope of the examination will correspond roughly to the following books.

PROTOZOA : Minchin Lankester Series.

AMŒBÆ LIVING IN MAN : Dubell.

Mineralogy.

(Course not prescribed).

Geology.

Two papers, each of three hours' duration.

Also a practical examination.

Paper I—Advanced Physiography, Dynamical Geology, Structural Geology, Physical Geography of India. Topographic Surveying,

Paper II—Mineralogy (including Crystallography), Petrology, Palæontological and Historical Geology, Economic Geology, Geology of India.

Practical Examination—Recognition of common crystal forms and naming their faces.

Determination of common and rock-forming minerals by sight and with the aid of such instruments as the lens, the balance and the blowpipe.

Recognition of the most common rock-forming minerals and rocks under the microscope,

Recognition of the common rocks in hand specimens with the aid of the lens.

Recognition of the common fossils.

Interpretation and construction of geological maps and sections.

(1) ADVANCED PHYSIOGRAPHY.

The Land. Materials of the Earth's crust. Earth. Earth-movement. Shore lines. Deltas and estuaries. Earth sculpture. Mountains. Plains and plateaus. Rivers. Development of river-systems. Underground water. Snow and Ice. Glaciers. Wind. Influence of climate upon topographical features. Volcanoes. Lakes. The Earth's Interior. Terrestrial Magnetism.

The Ocean. The salinity and temperature of the oceans. Waves and tides. Currents. Deposits on the ocean floor. Coral reefs and islands.

The Atmosphere. The atmospheric pressure and its influence on winds and weather. Distribution of pressure and circulation of the atmosphere. The horizontal and vertical distribution of temperature. Humidity. Precipitation. General Meteorology. Meteorology of India. The climates and weather of India.

Text-book:—

R. S. TARR AND MARTIN: College Physiography—(omitting portions referring specially to America and a few others.)

(2) PHYSICAL GEOGRAPHY OF INDIA.

Extreme variety of physical aspects in India. India in ancient geological times. India in historical times. The Indian borderlands—Baluchistan, Afghanistan, Kashmir, the Himalayas, the Sivaliks, Burma.

The Indo-Gangetic depression. The Ganges and the Jumna. Assam. The Brahmaputra. The Indus and the Indus Plain. The rivers and the plains of the Punjab. Rajputana. The Vindhya water-parting. Central India. The Central Provinces. The Nerbada. Southern India. The Western Coast. The Western Ghats. The Nilgiris. The

Eastern Ghats. The Deccan. The Godavari. The Kistna. The Cauvery. The extreme South. Travancore, Ceylon.

Text-book:—

The Imperial Gazetteer of India—Vol. I, Chapter I.

(3) MINERALOGY.

Physical Mineralogy. Characters of Minerals depending upon Colour, Cohesion, Elasticity, Specific Gravity, Heat, Electricity, Magnetism, Taste and Odour. The practical study of about 150 most common and rock-forming minerals in hand specimens.

Characters of minerals depending upon Light. The principles involved in the identification of minerals by their geometrical and optical properties; the application of these principles to the use of the petrological microscope. The practical study of about 20 most common rock-forming minerals under the microscope.

Text-book:—

H. G. SMITH: Minerals and the Microscope.

(Supplemented by Class-Notes.)

Chemical Mineralogy, including Determinative Mineralogy General Principles of Chemistry as applied to minerals. Chemical examination of minerals in the Wet Way and by means of the Blowpipe.

Determinative Mineralogy—Demonstrations and practical work on the characters and determination of the common ores of the useful and precious metals and of other minerals of commercial value.

Text-book:—

Class-Notes.

Reference book:—

BRUSH AND PENFIELD: Determinative Mineralogy and Blowpipe Analysis.

(4) PETROLOGY.

Rocks—their Classification. Igneous Rocks—their General Characters and chief Minerals. Derivative Rocks—Mechanically formed. Chemically formed and Organically formed. Metamorphic Rocks—Schistose and Cataclastic. The practical study of about 100 most common rocks in hand specimens.

The use of the Petrological Microscope in the study of Rocks. Methods of preparing rocks for microscopic study. The practical study of about 20 most common rocks—plutonic hypabyssal, volcanic, sedimentary and metamorphic—under the microscope.

Text-book:—

J. GEIKIE: Structural and Field Geology. Chapters III, IV and V.

A. HARKER: Petrology for Students (5th Edition)

(5) PALÆONTOLOGICAL GEOLOGY.

Fossils. Conditions for the entombment of Organic Remains on Land and in the Sea. Preservation of Organic Remains in Mineral Masses. Relative Palæontological Value of Organic Remains. Uses of Fossils in Geology. Bearing of Palæontological Data upon Evolution. The practical study of a Representative Series of about 100 fossils.

Text-book:—

Class-Notes.

Ref. book:—

A. M. DAVIES: Introduction to Palæontology.

(6) GENERAL GEOLOGY—DYNAMICAL, STRUCTURAL
AND HISTORICAL.

The subjects treated under courses Nos. 5, 6 and 7 of the Intermediate Syllabus, treated more fully.

Text-book:—

CHAMBERLAIN AND SALISBURY: *Geology—Shorter Course*,
(Omitting portions referring specially to
America and a few others.)

(7) ECONOMIC GEOLOGY.

The applications of Geology to fuels, useful and precious metals, precious stones, water questions, building and road-making materials, and to questions of engineering and hygiene treated in an elementary manner.

Text-book:—

J. GEIKIE: "Structural and Field Geology", Chapters
XXII and XXIII, supplemented by Class-Notes.

(8) GEOLOGY OF INDIA.

Peninsular and extra-peninsular India. The stable peninsula. The folded extra-peninsular area. Correlation of Indian strata with the European scale. Variable rate of evolution in isolated land areas. Classification of Indian strata. The Olenellus zone. Pre-Cambrian rocks. Fossiliferous deposits. Archaean group. Purana group. Dravidian group, Aryan group. Pro-Cambrian History of India. The great Eparchaean break. The Dharwarian System, The Cuddapah and Kurnool Systems. The Vindhyan system.

Cambrian and Post-Cambrian History of India. The Dravidian Era. The Aryan Era. The Central Himalayan succession. Trespass of a former central ocean. The Salt Range. Productus Limestones. The Gondwana system. The Talcher series. Existence of an old Indo-African continent, Igneous outbursts at the end of Mesozoic times. The Deccan trap. Recent volcanic action. Earthquakes. Recent rises and subsidences of the land. The Indo-Gangetic alluvium, Laterite.

Text-book:—

[The Imperial Gazetteer of India—Vol. I, Chapter II.

(9) TOPOGRAPHIC SURVEYING.

Introductory. Sketch of the various methods of surveying, levelling and field-sketching. Scales of maps and their influence on surveying methods.

Instruments—Compasses, clinometers, plane tables, tachometers, theodolites, cameras, levels, barometers, hypsometric thermometers, etc.

Route—surveys. Geographic determinations, especially azimuth and latitude,

Local topographic surveys—determining position on existing map and filling in detail in the vicinity.

Levelling and contouring—Tracing the probable run of outcrops of beds, veins, etc.

Setting out boundaries, roads, water-races, etc. Office-work—Reduction of results and plotting. A course of Field-work corresponding to the above. The whole subject will be treated in an elementary manner.

Text-book :—

Class-Notes.

Ref. book :—

G. W. USILL: Practical Surveying.

HONOURS COURSE.

The subject fixed for the additional paper of B. Sc. Honours examination in Geology :—

The Geology of coal with special reference to the coal fields of India.

Books recommended :—

- (1) Coal in Great Britain, by Walcot Gibson 1920.
(Edward Arnold.)
- (2) Coal fields of India, by V. Ball and R. R. Simpson
(Memoir of the Geological Survey of India
Vol. XLI. Part I. 1923)

Industrial Chemistry.

Two papers and one practical examination.

Paper I—

Ceramics and Cement: Leather-tanning glue and inks: Matches and Pencils: Wood and coal distillation: Power alcohol: Mineral acids and heavy chemicals.

Paper II—

Oils, Soap, Candle, Paints and Varnishes: Sugars, Starch, Paper and Milk-products: Electroplating, Electrolytic and Electric Furnace Products: Dyeing and bleaching.

SYLLABUS

- (a) A knowledge of the principal manufacturing processes to cover the following operations.
- (1) Crushing and grinding:
 - (2) Separating and mixing:
 - (3) Filtering:
 - (4) Drying and Evaporating:
 - (5) Distilling:
 - (6) Heating and Calcining.
- (b) Amplification of the pure Chemistry course to include a theoretical knowledge of the raw materials, their nature and sources and the methods of manufacture of the following industries:—
- (1) Ceramics (i. e. glass, pottery and enamelling on iron) and cement.
 - (2) Leather-tanning: glue: inks:
 - (3) Matches: pencils.
 - (4) Wood and Coal distillation: power alcohol.

- (5) Mineral acids and heavy chemicals.
- (6) Oils, Soap, Candle, Paints and Varnishes.
- (7) Sugars, Starch, Paper and Milk-Products.
- (8) Electroplating, Electrolytic and Electric Furnace Products.
- (9) Dyeing and bleaching.

N. B.—A general theoretical knowledge would be given in the classes and wherever possible tours would be arranged to visit factories to see the actual working conditions.

- (c) An essay covering a detailed study of one of the industries under (b) with special reference to Indian conditions.

PRACTICAL WORK.

- (1) Analysis of the following:—
 - (a) Water: (b) China clay and lime-stone: (c) Oils and soaps, and (d) Tannin in a tannin material or a tannin extract.
- (2) Preparations of the following on a fairly large scale:—
 - (a) Boric acid from Borax.
 - (b) Purification of common Salt and Salt-petre.
 - (c) Candles and Soaps.
 - (d) Boiled oil from raw linseed oil.
 - (e) Superphosphates of Calcium.

General and Chemical Engineering.

Two papers and one practical examination to cover the whole course.

Paper I—

Applied Mechanics, Heat Engines and Power Engineering.

Paper II—

Buildings and Surveying and Electrical Engineering.

Practical Examination—

Drawing to scale of one or more appliances used in Chemical Engineering.

MECHANICAL DRAWING.

Use of drawing instruments and materials. Construction of scale and simple projection. Geometrical construction and representation of Screws. Drawing to Scale of the following:—

Bolts and nuts. Studs, Set-Screws and locking arrangements. Rivets and riveted joints, Keys and keyways. Simple machine and engine parts. Pulleys, gearing, clutches, cams and other elements used in the transmission of power. Pipes and pipe-joints. Important details and mechanisms used in chemical industries, such as tanks, Steam-jacketed pans, Stills, Vacuum pans, drying chambers, roller-mills, disintegrators, Kneaders, Centrifuges, filter-presses autoclaves etc.

Tracing and blue Prints.

HEAT-ENGINES AND POWER ENGINEERING

(a) *Heat Engines*:—

A General course dealing with the construction, operation and use of steam engines and boilers. The laboratory work will consist of tests of the simpler types.

(b) *Power Engineering*:—

Power production and its special application to the chemical industries; the sources of power: the economic use of various fuels: production of power on a small scale by the steam engine, the internal combustion engine and the water turbine. A general

knowledge of the methods of testing the various types of prime movers.

EXPERIMENTAL WORK.

The laboratory work corresponds as far as possible to the lecture course and experiments are arranged to illustrate the principles dealt with.

(b) APPLIED MECHANICS.

Forces—Resultant and component forces. Centre of gravity. Moments of forces. Practical applications of forces and moments. Bow's notation applied to simple framed structures.

Work—The principle of work and its application to machines, friction and efficiency. Friction and lubrication. Joule's equivalent. The inclined plane and screw.

Power—Engines, pumps, brakes and electric motors, Transmission of motion and power by belts and spur-gearing.

Materials—Strength and nature of materials used in machine construction. The elastic law. Tension, compression and shearing. Bending and twisting. Working Stresses. Factor of safety.

Motion—Speed, velocity, acceleration, momentum, inertia and force.

Energy—Mechanical, thermal and electrical energy and their relation.

Hydraulics—Simple hydraulic machines. Presses and accumulators. Reciprocating and centrifugal pumps. Simple hydraulic motors.

EXPERIMENTAL WORK.

The laboratory work corresponds as far as possible to the lecture course and experiments are arranged to illustrate the principles dealt with.

Text-book—Elementary Applied Mechanics by Morley and Inchley.

(3) BUILDINGS AND SURVEYING,

Building Materials—A general knowledge of building materials.

Buildings—General construction of factories and workshops.

Foundations—Proper bed for the foundation of a building. Foundations for machinery in general.

Floors—Different types of floors used in factories and workshops.

Roofs—Different types of trusses and terrace roofs.

Drawing—Drawing of a simple building from measurements.

Surveying—Chain survey of a plot of ground. Taking angles between chainlines by prismatic compass. Filling in details by plane table. Conventional Signs for plotting. Plotting the survey.

Levelling—Art of levelling. The V level: The dumpy level and their permanent adjustments. Levelling staves.

(4) ELECTRICAL ENGINEERING.

Explanation of terms—Lines of force, unit pole, magnetic field and magnetic moment, circuit, generator, switch, ampere, ohm, volt, E. M. F. and P. D., Watt, Joule, series circuit, and parallel circuit.

Dynamo Electric Machines—Explanation of the physical properties involved and a description of the essential parts of both generators and motors.

Management of Electrical Machinery—Installation of generators. Electrical connections for and the operation of electrical motors for both alternating and direct current. Running dynamos and motors in series and in parallel.

Elements of secondary Battery Engineering—The method of setting up a secondary battery, its management, care and daily attendance.

Elements of Electric Lighting and Power Supply—Methods and systems in general use. Important calculations. Determination of the correct sizes of wires for lamps and Motors. Wiring. Electric fittings, fuses and safety devices. Private Installation Work. Rules and regulations connected with wiring. Methods of testing an installation.

Description of galvanometers, ammeters, volt meters and Watt-meters.

Testing and locating troubles in electrical machines and the line.

M. Sc. Examination 1923.

Mathematics.

Same as for the M. A. Examination.

Chemistry.

THREE papers each of three hours' duration. The subject of the examination to be one of the following :

1. Organic Chemistry.
2. Inorganic Chemistry.
3. Physical Chemistry.

Candidates to take up for the Final Examination that subject out of the above which they did not take up for the Previous Examination.

Candidates expected to have acquaintance with the recent works on the subject selected. They were also to be able to

refer to and abstract the recent chemical literature from scientific journals. A candidate taking up research with the permission of the Syndicate obtained at least six months before the examination and submitting a thesis on a subject which he had selected for the examination could be exempted from such part of the practical examination as the examiners on practical thought fit. The thesis was to be examined and marks awarded by the examiners on practical in case of such an exemption.

A candidate could offer to take up translation from French, German or old Sanskrit technical literature (Dictionary being allowed). The examiners to take this into consideration in deciding the result of the examination.

Practical Examination.

Simple experiments in Physical Chemistry.

Organic Analysis, Gas Analysis.

Qualitative and Quantitative Analysis of any four of important Indian minerals of economic value other than those taken up for the Previous M. Sc. Examination.

The candidate to conclude his study of the special subject selected under para 7 of the B. Sc. Syllabus and to submit to the examiner the whole work done by him during the four years with the prepared samples. The examiner to take this work into account in deciding the result of the examination.

Books suggested for reference and study in addition to those prescribed for the Previous Examination. (*Vide* M. Sc. Previous course in Chemistry for 1922.)

RICHTER: Organic Chemistry.

EMIL FISCHER: Organic Preparations.

STEWART: Recent Advances in Organic Chemistry.

MAYER: History of Chemistry.

WANT'S HOFF: Lectures on Theoretical and Physical Chemistry.

WERNER: New Ideas in Inorganic Chemistry.

NERNST: Theoretical Chemistry.

P. C. ROY: History of Hindu Chemistry Vol. I.

STEWART: Recent Advances in Physical and Inorganic Chemistry.

THORPE: Industrial Chemistry.

ROGERS: Industrial Chemistry.

Chemical Society Annual Reports.

Papers in Current Scientific Journals.

LASSER COHN: Laboratory Manual of Organic Chemistry.

MEYER TINGLE: Determination of Radicals in Carbon Compounds.

FINDLAY: Practical Physical Chemistry.

FRANCIS GREY: Practical Physical Chemistry.

Physics.

The subjects of the examination:—

(i) LIGHT.

(ii) ELECTRICITY.

(iii) MAGNETISM.

A candidate required to have a sound knowledge of the experimental side of the above subjects and also such knowledge of the theoretical side of each as was obtained by the applications of the Calculus and Differential Equations. In addition to the above, the candidate required to have a detailed advanced knowledge experimental and theoretical of *one special* subject. The candidate either to select any subject from the following list or take up any other subject, provided that in the latter case, he applied at least six

months before the date of the examination and the subject was approved by the Syndicate on the recommendation of the Board of Studies in Physics.

Special Subjects.

1. Electromagnetic Theory of Light.
2. Geometrical Optics and Theory of Optical Instruments.
3. Spectroscopy
4. Theory of Electricity and Magnetism.
5. Electrolysis and Theory of Solutions,
6. Radio-activity and the Electron Theory.

THREE papers, each of three hours' duration.

- I. Light.
- II. Electricity and Magnetism.
- III. Special subject selected by the candidate.

The scope of the examination approximately indicated by the following text books:—

PRESTON: Theory of Light.

WOOD: Physical Optics.

DRUDE: Optics.

FOSTER, ATKINSON AND PORTER: Electricity and Magnetism.

CAMPBELL: Modern Electrical Theory.

STARLING: Electricity and Magnetism.

For the Special Subject student required to consult their Professors as to a suitable course of reading which was to include the study of Original Papers and recent advances as described in Standard Scientific Journals.

The candidates also to present a *Thesis* consisting of a record (published or not) of advanced work or of an essay on some scientific questions of importance involving criticism or historical research.

Also a Practical Examination in Physics in the subject offered by the candidate.

Books recommended:—

WATSON: Text-book of Practical Physics.

KOHLRAUSCH: Physical Measurements.

MANN: Manual of Advanced Optics.

M. Sc. students required to show that they possessed a practical acquaintance with the handling of laboratory machines, e.g., Laboratory Dynamos and Motors, Oil and Petrol Engines, Charging Accumulators, Projection Lantern, etc.

Zoology.

The subjects of examination:—

(a) The general principles of Biology, comprising the various theories of evolution and the subjects of variation, adaptation, inheritance and sex.

(b) A detailed knowledge of some subject or group to be announced at least one year previous to the date of the examination.

(c) Arthropoda.

Four papers each of three hours' duration and also a practical examination:—

Paper I to comprise (a) the cell and the leading structural modifications and functional relationships of its constituent parts and (b) the evidences bearing upon the hypothesis of evolution; general theories of Variation, Heredity and Origin of Species.

Paper II to deal with Arthropoda, and

Papers III and IV to deal with the specified subject or group selected.

(Examiners appointed to set papers III and IV to collaborate to obviate overlapping of questions in the two papers).

PRACTICAL WORK

A "Selected Subject" and "Arthropoda" to be studied, as much as possible, from the practical standpoint. A selected group to be studied primarily from the local fauna available in the United Provinces, but also from other examples of important types.

Mineralogy

(Course not prescribed)

Geology.

(Course not prescribed)

Botany.

The subjects for examination to be as indicated below and to be divided into 4 paper as indicated by the numbers, In addition also a practical examination.

A. I. Angiosperms.

II. Ecology and Physiology.

III. Evolution, Variation and Heredity.

B. IV. A detailed knowledge of some subject or group (to be announced at least one year previous to the date of Examination) (Metabolic Aspects of Plant Physiology).

Books suggested:—

STRASBURGHIER: Text-book of Botany.

SCHIMPER: Plant Geography.

COULTER AND CHAMBERLAIN: Gymnosperms.

WILLIS: Flowering Plants and Ferns.

LOCK: Heredity, Variation and Evolution.

POST: Lectures on Plant Physiology.

DARWIN AND ACTON: Practical Physiology of Plants.

CAMPBELL: Mosses and Ferns.

WEST: Algae.

BUTLER: Fungi and Diseases in Plants.

SCOTT: Studies in Fossil Botany.

The Previous Examination in Samskrit 1923.

(Same as in 1922.)

The Examination for the degree of Licentiate of Teaching 1923.

(Same as in 1922.)

प्राच्य-विद्या विभाग

प्रवेशिका परीक्षा

(सन् १९२२ के अनुसार)

मध्यमा परीक्षा

(सन् १९२२ के अनुसार)

सांख्ययोग के पाठ्यों में—

“योगसार संग्रह” के स्थान पर “सर्व दर्शन संग्रह (पातञ्जल योग दर्शन)” रखिये ।

गणित के पाठ्य निम्नलिखित-

बीज गणित—

सादे समकालिक समीकरण तक, यांक और सादा वर्ग समीकरण--

रखागणित---

जैसा कि हाल और स्टीबेन्स की पुस्तक भाग १-५ में दिया हुआ है अङ्क सम्बन्धी उदाहरण सहित ।

त्रिकोण मिति- -

त्रिकोण मिति सम्बन्धीय निष्पत्तियों की परिभाषा कोणोंका माप, सादे कोणों के विषय के त्रिकोण मिति सम्बन्धीय सूत्र, ०, ३०, ४५, ६०, ९०, १२० और ३६० अंशों की त्रिकोण मिति सम्बन्धीय निष्पत्तियों का मूल्य, बीज-ज्यामिति, सीधी रेखा और वृत्त--

(क्ष) आयुर्वेद—

प्रश्नपत्र नं० ३—माधवनिदानम् (मूलम्)

परिभाषा ।

प्रश्नपत्र नं० ४—भावप्रकाश (शरीरतत्त्व और द्रव्यगुण)

,, ,, ५—भावप्रकाश और चक्रदत्त (कायचिकित्सा)

,, ,, ६—रसेन्द्रसारसंग्रह और नाड़ीविज्ञान

ग्रन्थों के नाम—माधवनिदान (सम्पूर्ण)

परिभाषा

भावप्रकाश

चक्रदत्त

रसेन्द्रसारसंग्रह

नाड़ी विज्ञान

नोट—प्रश्नपत्र नं० ४ में शरीरव्यवच्छेदशास्त्र, शरीरशास्त्र और वनस्पतिविज्ञान के भी प्रश्न होने चाहिये और प्रश्नपत्र नं० ६ में भौतिक और रसायनविज्ञान के भी प्रश्न होने चाहिये।

नवीन शारीरिक-साधारण-विज्ञानम्

(पाठ्य नहीं निर्धारित हुआ)

१. वनस्पति-विज्ञान—

बीज की रचना और उद्भेद, बीजोद्भेद के लिए आवश्यक परिस्थिति, तना और उसका शाखाप्रसार, कलिका, अन्तर्भौम तने और जड़ों से उनका अन्तर्गत तनों के रूपान्तर,

पत्ती—साधारण और संयुक्त पत्ती

पुष्प और उसका आकृति-विज्ञान

फल—फल की परिभाषा और उसके प्रकार

वनस्पतिक क्रिया विज्ञान—स्वेदन और श्वसन

इस विषय का शिक्षण यथा सम्भव प्रयोगद्वारा तथा प्रसिद्ध टृप्चों जैसे नीम, आम इत्यादि के उदाहरणों को लेकर किया जाना चाहिये और पाठ्य क्रम में निर्धारित पौधों के भागों को काट कर देखने, उनका वर्णन करने तथा उनके चित्र बनाने की शिक्षा विद्यार्थियों को दी जानी चाहिये।

२. भौतिक विज्ञान—

पिंड, द्रव एवं वायव्य पदार्थों पर ताप का प्रभाव, आयतन परिवर्तन, तापक्रम परिवर्तन, तापमापक, ताप की मात्रा, विशिष्टताप, गुप्त ताप तथा दशापरिवर्तन, वाष्पीभवन एवं गाढ़ीभवन, स्रवण, क्वथनांक और द्रवणांक। ताप के चलन, वहन और विकिरण का साधारण ज्ञान।

विद्युत्—विद्युद्द्वारा, वोल्टा के साधारण विद्युत् घट. गौण व्याटरी, श्रेणी तथा समानान्तर रेखा में उनका सम्बन्ध, चिकित्सा सम्बन्धी व्याटरी, ताप के प्रभाव का बहुत प्रारम्भिक ज्ञान, विद्युद्द्वाराकारसायनिक एवं चुम्बकीय प्रभाव, ओम का सूत्र ।

३. रसायन विज्ञान—

घोल, अवलेह, मिश्रण, दहनना, स्फटिकीकरण, सवण और ऊर्ध्वपातन, वायु, ओषजन, उज्जन, नत्रजन, स्फुर (फास्फोरस) हरिन, जल, अभिद्रवहरिकाम्ब (हाइड्रोक्लोरिक एसिड) नाइट्रिक एसिड और गन्धक का तेजाब तथा करबोनिकाम्ल (कार्बोनिक एसिड) का अनुशीलन ।

मूल और यौगिक पदार्थ, रसायनिक संयोग और साधारण मिश्रण ।

उपरोक्त बातों का अध्ययन नमक, शोरा, चूना, नौसादर, कसोस तृतिया, गन्धक, तथा अन्य साधारण वस्तुओं के उदाहरणों को लेकर करना चाहिये ।

निर्धारित पाठ्यों के सम्बन्ध में विद्यार्थियों को व्यावहारिक शिक्षा दी जानी चाहिये ।

शास्त्री परीक्षा

(सन् १९२६ के अनुसार)

आयुर्वेद के पाठ्य निम्नलिखित

आयुर्वेद—

प्रश्नपत्र नं० ३—शारीर शास्त्र

„ ४—रस शास्त्र

„ ५—शल्य तन्त्र

„ ६—कायचिकित्सा

„ ७—रोग विज्ञान

मौखिक तथा क्रियात्मक परीक्षा

तृतीय प्रश्न पत्र में शारीर विज्ञान के और चतुर्थ प्रश्न पत्र में रसायन और वनस्पति विज्ञान के प्रश्न रहेंगे ।

निधारित ग्रन्थ

चरक संहिता
सुश्रुत संहिता
वाग्भट्टः (निर्दिष्टांश)

भाव प्रकाश

शास्त्रीय शास्त्र
पाठ्य नहीं निर्धारित हुआ

२ वनस्पति शास्त्र—

आभ्यन्तराकृति विज्ञान, उद्भिद् कोष्ठ, उद्भिद् कोष्ठ-आवरण, तथा उसके रूपान्तर, उद्भिद् कोष्ठ पुँजों का प्रारम्भिक ज्ञान, पौधों के भिन्न २ अंगों की बाह्य कृति और वाद की गति । वनस्पतिक क्रिया विज्ञान ।

पौधों के भोजन की साधारण सामग्री । अन्तरलयन, श्वेदन और श्वसन. अपने आसपास की वस्तुओं के ऊपर पौधों के प्रभाव का आरम्भिक ज्ञान ।

वनस्पतिक वर्ग विधान—निम्न लिखित प्राकृतिक वर्गों की पहिचान ।

(१) अतीस वर्ग (Ranunculaceae) (२) अफीम वर्ग (Papaveraceae)
(३) सर्प वर्ग (Cruciferae) (४) जम्बीर वर्ग (Rutaceae) (५) शिम्बी वर्ग (Leguminosae) (६) कार्पास वर्ग (Malvaceae) (७) Compositae (८) तुलसी वर्ग (Labiateae) (९) लशुन वर्ग (Liliaceae).

मध्यमा परीक्षा के लिए पढ़ाये जाने वाले विषयों का उच्च कक्षा का ज्ञान तथा व्यावहारिक शिक्षा ।

रसायन शास्त्र—

तौल और नाप के हिसाब से रसायनिक संयोग के नियम, चार्ल्स और बोइल के सूत्र, ग्राहम का प्रवेश सूत्र (Graham's law of diffusion) परमाणु वाद और एवॉग्रेडो का सिद्धान्त, अणु, परमाणु, अणु एवं परमाणु भार निकालना, ब्रूलांग और पेटीट का सूत्र, रसायनिक चिन्ह, संकेत एवं समीकरण, परमाणु ग्रहण शक्ति, संयोग भाराङ्क निकालना ।

कुछ लवणों तथा लौह, ताँबे, पारा, जस्ता, सोडा, सोडियम, पोटैशियम, कालियम, रजत, सुवर्ण तथा संखिया (arsenic) का अध्ययन

जल और मूत्र का रसायनिक विश्लेषण

शारीर विज्ञान—

- (१) कोष्ठ एवं उसके भाग
- (२) कोष्ठ पुञ्ज
- (३) चर्म
- (४) स्थूल प्राणमय कोष (Respiratory System)
- (५) रक्त सञ्चालन कोष (Circulatory System)
- (६) मूत्र विधान (Urinary System)
- (७) अन्नमय कोष (Digestive System)
- (८) मनोविज्ञानमय कोष (Nervous System)

इतिहास, प्राचीन लिपिज्ञान शिलालेख विद्या के पाठ्य निम्न-
लिखित—

प्रश्न पत्र नं० ३—अशोक के पाँच शिलालेख (ये लेख समय समय पर बदल
दिये जावेंगे ।) पाँचों शिलालेख प्रतिलिपि से पहचानने होंगे ।

प्राचीन भारत का इतिहास मगधराज्य से कुशान काल
तक और इस काल का प्राचीन लिपिज्ञान

प्रश्नपत्र नं० ४—गुप्तवंश के पाँच शिलालेख (ये लेख समय समय पर बदल
दिये जावेंगे) पाँचों शिलालेख प्रतिलिपि से पहचानने होंगे ।
प्राचीन भारत का इतिहास—गुप्तकाल से मुसलमानी काल के
पूर्व तक और इस काल का प्राचीन लिपिज्ञान

प्रश्नपत्र नं० ५—मुसलमानी काल

- „ „ ६—आंग्लकाल
- „ „ ७—ग्रीस और रोम का इतिहास
- „ „ ८—अर्थशास्त्र और नीतिशास्त्र

निर्धारित पाठ्य ग्रन्थ

कौटिलीय अर्थ शास्त्र

अनुमेदित पुस्तकें---

शुक्र नीति

राज तरंगिणी

हर्ष चरित

कामन्दकीय नीतिसार

शास्त्राचार्य परीक्षा के पाठ्य निम्नलिखित—

श्याकरण—

प्रश्न पत्र १ व्युत्पत्ति वाद

,, २ महाभाष्य सम्पूर्ण

साहित्य—

प्रश्न पत्र १ रस गङ्गाधर

प्रश्न पत्र २ व्यक्ति विवेक और

द्वयन्या लोक

उयौतिष —

प्रश्न पत्र नं० १ वास्तव शृङ्गोन्नति

भूचलाचल निरूपण

,, २ दीर्घ टुत्त लक्षण और

चलन कलन

वेद—

प्रश्न पत्र नं० १ शतपथ ब्राह्मण काण्ड १-५

,, २ कात्यायन और आपस्तम्ब

श्रौत सूत्र

पूर्वमीमांसा

प्रश्न पत्र नं० १ विधि विवेक न्याय कणिका सहित

,, नं० २ भाट्ट रट्टस्यम्

मौखिक परीक्षा

धर्म शास्त्र—

प्रश्न पत्र १ बीर मित्रोदय, परिभाषा प्रकाश

,, २ व्यवहार पाराशरमाधवीय

मौखिक परीक्षा—**Bachelor of Science (Engineering) 1923.**

Same as in 1922 with the following alterations etc:—

Engineeering Chemistry.

Para (1).

Delete the words "Valence. Radicles," and the portion from "Metallic and non-metallic elements" to the end, Add "The laws of gases" before "Chemical equations and calculations."

Para (3).

Delete the words "and calorific intensity of fuels", substitute "and its" for "their" before the word "calculation," and also omit the word "the petroleum products."

Para (5).

Delete the Para altogether.

Para (6).

Number it as Para (5) omitting the portion from "Plaster of Paris" to the end.

Para (7).

Make it Para (6) deleting the subject "The Colloidal Theory."

Para (8)

Make it Para (7), deleting the words "Terra cotta Tiles."

Para (9).

Make it Para (8), deleting the words "Examination of oils and fats," "Single pigment and composite paint" and "Wood stains Wood filers."

Para (10).

Make it Para (9). omitting the subject "Examination of Lubricants."

Paras (11) and (12).

Omit altogether.

Engineering Metallurgy

Para (2).

Delete the portions:—"The Solution theory of cast iron," "Cement or blister steel," "Electric refining of steel" "their structure and properties. Types of alloy steels" and "Composition bulk.....and the electrolytic theory."

Para (3).

Delete the portion from "Bismuth" to "Manganese."

Para (4).

Delete the portions "Type metal," and "plumber's solder.....care of solder."

Para (5).

Omit altogether.

The Syllabuses for the 4th Year Degree Students to be re-arranged as follows in order that Students, Professors and Examiners might have as clear an idea as possible of the scope of each examination and the ground covered.

With the exception of the amplification of the line:—

“Development and Utilization of Water Power”

which occurred under “Electrical Engineering” into the syllabus for the examination in

“Hydro-Electric Power Development”,

no additions were made.

Portions not essential for Electrical Engineers were deleted from the Mechanical Engineering syllabuses in Theory of Machines and replaced by portions of the Electrical Engineering Syllabus which might be classified as Theory of Machines for Electrical Engineers. The Syllabus in Electrical Engineering was reduced for the Mechanical Engineers who had only one examination paper in this subject. For Electrical Engineers, the paragraph on Electrical Estimating was transferred to the Syllabus on “Economics for Engineers”.

MECHANICAL BRANCH

(1)	Strength of Materials	..	..	No change.
(2)	Theory of Structures	..	..	” ”
(3)	Structural Design ..	..	..	” ”
(4)	Hydraulics ..	..	..	” ”
(5)	Hydraulic Machines	..	..	” ”

- (6) Theory of Machines .. No change.
- (7) Machine Design ..
- (8) Heat Engines ..
- (9) Mechanical Drawing ..
- (10) Economics of Engineering
- (11) Electrical Engineering (Syllabus attached)
(*Vide Annexure A.*)

ELECTRICAL BRANCH.

- (1) Strength of Materials and .. See attached syllabus.
- (2) Electrical Testing of Materials | (*Vide Annexure B.*)
- (3) Theory of Structures .. No change.
- (4) Structural Design
- (5) Hydraulics First eight paras of
Mechanical Syllabus.
- (6) Hydro-Electric Power Development—Syllabus attached.
(*Vide Annexure C.*)
- (7) Theory of Machines for Electrical Engineers—Syllabus
attached (*Vide Annexure D.*)
- (8) Design of Electrical Machines—Syllabus attached.
(*Vide Annexure E.*)
- (9) Heat Engines .. No change.
- (10) Electrical Engineering .. Syllabus attached
(*Vide Annexure F.*)
- (11) Economics of Engineering .. One para transferred
from "Electrical Engineering."
(*Vide Annexure G.*)

Annexure A.

ELECTRICAL ENGINEERING.

(ONE PAPER)

FOURTH YEAR FOR MECHANICAL STUDENTS.

Dynamo Electric Machines—Different types of motors in use, standards of value for a motor, relation of torque speed and H. P., different types of Load.

D. C. Electric Motors—General discussion of the principles of action of a D. C. dynamo and motor. Construction of and materials used in the manufacture of brushes. Commutator and Field Magnets. Position of Brushes. Testing for break-down of Insulation, Commutation and Commutating coils.

Efficiency and characteristics of Generators and motors and their Experimental Determination and Calculation.

Inspecting and Testing—Adjustment, Friction, Balance, Noise, Heating and Sparking. Electrical Resistance. Voltage and Current, Speed and torque, power and efficiency.

Localisation and Remedy of Troubles—Sparkling at the commutator, heating of brushes of field magnets and bearings. Noisy operation, speed too high or too low, motor stops or fails to start, voltage of generator fails

Battery—Principles of Primary and Secondary Coils. Efficiency, Capacity. Deterioration. Diseases and Remedies of a Secondary Battery. Charging and discharging a battery. Detection of faults in a Secondary Battery, their testing, remedies.

The fundamental principles of the generation, transmission and distribution of power by Direct and Alternate Current.

Central Station Engineering.

Annexure B.

STRENGTH OF MATERIALS AND ELECTRICAL
TESTING OF MATERIALS.

FOURTH YEAR ELECTRICAL STUDENTS.

ELECTRICAL TESTING OF MATERIALS:—

A thorough treatment of the testing of Magnetic and Electric properties of materials:—

Paper I (a) *Electric Properties of Materials:—

Conductors and Insulators. Insulating Materials. The Insulation of Wires and Cables. The effect of Moisture and Heat on Conductors and Insulators. Resistance, Specific Resistance and Temperature Co-efficient of Conductor. Hysteresis and Eddy Current Losses.

(b) Magnetic Properties of Materials—Magnetic quality of iron. Residual Magnetism. Permeability

STRENGTH OF MATERIALS;—

Introduction.—Mechanical properties of metals. Elastic Limit and yield Point. Ductile Strains. Actual and Nominal Stress. Effect of shape of test piece. Raising Elastic Limit by Strain. Hysteresis, Hardening and Annealing. Influence of Rate of Loading compression. Fractures. Effects of temperature. Stress due to temperature changes. Factors of safety.

Bending.—Moments of Resistance. Relations between Stress, Curvature, Slope, and Deflection. Diagrams of Contraflexure. Relations between Bending Moment and Shearing Force. Longitudinal Shear. Mohr's diagrams. Graphical Methods of determining the Moment of

Resistance of Irregular sections and Heterogeneous section. Ferro Concrete beams and slabs. Bending beyond the elastic limit. Modulus of Rupture. Built in and continuous beams. Symmetrical and Unsymmetrical Loading. Beams of varying cross sections. Carriage Springs.

Twisting—Relation between Twisting Moment. Angle of Twist and Shearing Stress. Shafts of Section, other than Circular, Combined Twisting and Bending, Effect of End Thrust.

Direct and Bending Stresses.—Long and Short columns. Euler's Gordon's Rankine's and Fidler's formulæ for long Columns. Eccentric loading on short and long columns and tie rods. Struts and rods with lateral loads. Use of strut formula and comparison with experiments.

Stress in Cylinders and Shells—Strength of Thin Pipes and Cylindrical Shells. Thick Cylinders. Rotating wheel rim.

Practical Testing,—Commercial tests of iron, steel, brass, copper, cement, stone, brick, and timber.. Test to be carried out according to the British and other standard specifications, and the results compared with the requirements of those standards.

Annexure C.

HYDRO-ELECTRIC POWER DEVELOPMENT.

FOURTH YEAR ELECTRICAL STUDENTS.

Paper *Hydraulic Machines*:—Energy stored and energy
II available. The Pelton Wheel. Impulse and Reaction

Turbines. Turbines designed for Axial, Radial and mixed flow. Governing Tests of Efficiency at various loads

Analysis of Hydro-Electric Project:—The Market, Power Opportunity, Feasibility and Practicability, Cost.

Designing and Constructing. The Development. The Survey. Water Conductors and Accessories. Structural Types. Hydraulic and Electrical Equipment. Constructing the Plant.

Organisation, Operation and Maintenance of the Works and Equipments.

Annexure D.

THEORY OF MACHINES FOR ELECTRICAL
ENGINEERS.

FOURTH YEAR ELECTRICAL STUDENTS.

Paper VI.

Introduction:—Definitions relating to divisions of the subject. Kinematics and Dynamics of Machines. The importance of the subject in regard to the problems that occur in machine and engine design. Bibliography.

Dynamics of the Steam Engine:—Velocity and Acceleration of the Piston. Crank Effort Diagrams. The Flywheel. Combination of Crank Effort Curves and the Fluctuation of Energy. Governors. The Rith-Dalby diagram. Oscillations of the Governor, Relay Governors. Rotating discs and critical speeds.

Balancing of Engines:—Balancing of Revolving Masses. Graphical Methods. Two, three, and four crank system.

Experimental proofs, Dalby's Model. Balancing of reciprocating Masses, with long connecting Rods.

Friction and Efficiency:—Friction in Mechanism and Machines. Lubricants and the theory of Lubrication; the design and Lubrication of Bearings,

Gyroscopes:—Introductory theory. Gyroscopic Motion. Precession. Oscillation and Resistance. Effects of reactions in the mounting of a Gyroscope. Practical applications of the Gyroscope.

Electrical Machines:—Theory of Direct Current and Alternate Current Generators, Motors, Converters and Transformers. Principles of Controlling and Measuring Apparatus for Switchboards, Action of measuring Instruments, deflection and controlling forces, friction, dead-beatness and damping forces. Electrodynamical ammeters, voltmeters and galvanometers, Electrostatic voltmeters.

Efficiencies and characteristics of Generators and Motors and the Methods of Experimental determination and calculation.

Annexure E.

DESIGN OF ELECTRICAL MACHINES.

FOURTH YEAR ELECTRICAL BRANCH.

Design of Direct Current Generators and Motors:—
Calculation of armature. Fundamental Calculations. Armature Winding, Dimensions of Armature Core, Final Calculation of Armature Winding, Dimensioning of Commutators. Brushes and Current Conveying part of a Dynamo, Mechanical Calculations for Armatures.

Calculation of Magnetic Flux: Useful and total Magnetic Flux, Calculation of Leakage Factor from Dimensions of machine.

Dimensions of Magnetic Frames: Forms of Field Magnet Frames, General Construction Rules, Calculation of Magnetising Circuit. Heating and Ventilation. Calculation of Magnet Winding. Coil Winding Calculation, Series Winding, Shunt Winding, Compound Winding.

Design of Alternate Current Generators and Motors:—Elements of design and simple calculations connected therewith. Determination of F. M. F. and Current Curves. Armature winding, Heating and Ventilation. Losses, Efficiency and Characteristics, Short circuit, Current Drop. Various Types of Motors, Circle Diagrams and Testing. Mechanical Construction, Parallel Running. Hunting. Influence of Damping Coils.

Design of Transformers:—Core and Shell Types Induction and Ohmic drop Methods of Cooling. Special designs for large output and high pressure Mechanical construction. Necessity for various Types. Simple calculations concerning Elements of Design, Testing.

Converters:—Various Types Simple calculations concerning Elements of Design, Testing.

Annexure F.

ELECTRICAL ENGINEERING.

(2 Papers).

FOURTH YEAR ELECTRICAL STUDENTS.

Papers Generation, Transmission and Distribution of
IV & V. Power by Direct and Alternate Current:—

- (a) Central Station Engineering.
- (b) Transmission: Design and value of high tension and long distance transmission lines. Details of Erection, Construction Testing and Maintenance.

nance. Safety Deviser, Limitation of Voltage. Feeders and distributing mains. Substations, choice of position, plant, general arrangement.

- (c) Distribution: Medium and Low Voltage Distribution Systems. Mechanism of distribution for a public supply. Consumers' Circuit and connections, Motors and Plants. Requirements to be satisfied by insulated conductors used in distribution as regards voltage regulation, the three-wire system. Balancers, Use of Boosters and Motor Generators. Rotary Converters and Motor Converters.
- (d) Continuous and Alternating Current Circuits: Influence of Resistance, Capacity and Self-inductance, Resonance, Free and damped Oscillations, Lightning Protection. Protection against Disruptive Discharges.
- (e) Electric Traction: Electric Traction of Continuous and Alternate current: Principles and Details of Systems of Electric Tramway and Railway Engineering ordinarily used. Permanent way lines and feeders. Surface and Conduct Systems. Collection and Control of Current.

Annexure G.

ECONOMICS OF ENGINEERING.

FOURTH YEAR FOR ELECTRICAL ENGINEERS.

Paper VII.

Introduction:—The General Problems of Design of Industrial works. Choice of Site. General Arrangement power Plant and Equipment. Staff, Labour. Raising of capital, floating of business and works of public utility.

General Administration:—Staff Organizations Routine Correspondence. Filing, Estimating. Production Efficiency. Output. Publicity. Orders and Issues.

Administration of Works:—Regulation affecting Employees. Factory Act requirement. Accidents. Fire Gate Control. Apprentices. Workmen. Labour Records. Time-keeping, Overtime, Drawing Office Routine, Materials, Stores, Stock and Production. Efficiency of processes. Ratefixing. Inspection. Supervision, Despatch, Warehouse Stock, Final Inspection, Records and Routine of Delivery.

Accounts:—Works Accounts and Estimates. Works Expenditure Account. Standing Orders. Stock Accounts Cost. Allocation Accounts. Shop Charges. Process Product Accounts. Manufactured Stock Product. Stock-taking Valuation of Loose Plant. Abstract of Works Accounts and Statistics.

Routine Forms:—For General Office, Wages Office, Drawing Office, Works Office. Pattern Shop and Pattern Stores, Foundry, Smithy, General Stores. Tool Stores Inspection Department. Work Depot, Warehouse. and Works Accounts Office.

Financial Accounts:—General System of Financial Accounts. Wages and Petty Cash Account. Purchases Accounts. Sales Accounts, Share Accounts. Private Accounts. Annual Accounts. Audit,

Estimating:—Cost of Power Plants for Generation, Transmission and Distribution of Electrical Energy and cost of Energy generated. Estimates for transmission lines and distribution systems. Selection of appropriate systems. Load curves and factors. Capital and maintenance costs. Working and control. Reliability and Economy.

1924.

Admission Examination.

Same as in 1923 with the following changes.

I. Courses in History and Geography to be as follows:—

History and Geography.

Two papers each of three hours' duration

Paper I.—

(a) Outlines of the History of England:—

Books recommended:—

G. TOWNSEND WARNER: A Brief Survey of British History.

or

C. W. C. OMAN: Junior History of England.

or

S. R. GARDINER: Outlines of English History.

(b) History of India:—

Books recommended:—

HARAPRASAD SHASTRI: School History of India.

or

VINCENT A. SMITH: Oxford Students' History of India.

or

R. C. DUTT: A Brief History of Ancient and Modern
India brought up to date, by J. N. GUPTA,
M. A., I. C. S.

Paper II.—

General and Physical Geography.

A.—The Elements of Astronomical, Mathematical and
Physical Geography.

The Solar System. Eclipses, Rotation and Revolution of the Earth and their effects. Climatic zones. Latitude and Longitude. Time. Principles of Map-Drawing, Shape of the Earth. Geological structure of the Earth. Rocks and Volcanoes. Ocean Movements. The effects of Climate. Rivers and their work. Soil and its characteristics.

Atmosphere, Air, Wind, Storm, Cyclones and Water Spouts. Formation of Deserts and Mountains and their influence on the surrounding countries.

B.—General Geography of the World in outline, with India in fuller detail with special reference to the following:—

Relief, Climate and Rainfall; Soil and Products, Industries and Commerce; Communication and Population.

Text-Book:—

LONGMANS' Geographical Series for India, Book II.

or

The World and India (Oxford Geographies) adapted by P. C. Wren.

HERBERTSON'S Junior Oxford Geography could also be consulted.

II Courses in Samskrit to be as follows:—

Samskrit.

Two papers in Samskrit, each of three hours' duration. *One* on metrical portion of the text books (55 marks), with questions on grammar and idiom (25 marks) and a short passage or sentences in Samskrit from unseen sources for translation (20 marks). The *second* on prose portions of the text books (55 marks) with questions on grammar and idiom (25 marks) and a short passage or sentences in English for translation into Samskrit (20 marks)

Text-Books:—

Valmikiya Ramayana—Selections (University Book Depot).

Kusumamala Part I.

Grammar—

Sabdarupavali, Dhaturupavali, Simple rules of Syntax and Compounds.

N. B.—Sanskrit to be written in the Devanagari script.

III. Courses in Arabic and Persian to be as follows:—

Arabic & Persian.

Two papers, each of three hours' duration. *One* on the text books prescribed with questions on grammar and idiom. The *second* to consist of passages of unseen prose for translation into English or Urdu or Hindi, as well as a number of short sentences for translation from English or Urdu or Hindi into the Classical Language.

(a) ARABIC.

Majani-ul-Adab, by Louis Cheikho, Vol. I pages 7-23 and 41-152. (Published by the Imprimerie Catholique, Beyrout, Syria, and sold by the Book Depot at Aligarh.)

For supplementary reading:—

Majani-ul-Adab, Vol. I—pages 234-276.

(b) PERSIAN.

Prose:—

Gulistan of Sa'di, Chapters I. II and III (omitting the Preface).

Poetry:—

Bostan of Sa'di, Book I (including the Preface.)

For rapid reading:—

Shah's Diary (Book I.)

IV. Courses in Hindi to be as follows:—

(a) *HINDI.*

(1) *Satya Harischandra* by Bharatendu Harishchandra (Nagari Pracharini Sabha).

(2) *Sakuntala* (Prose Edition) by Raja Lakshmana Singh (Indian Press)

(3) *Pravesika Padyavali* Part I

(4) *Hindi Vyakarana Chandrodaya* by Ramalochan Sarana.

V. Courses in Sindhi to be as follows:—

SINDHI.

Prose:—

Guldasto by Messrs Dayaram Vasanmal and Lilaram Premchand (the whole book).

Poetry:—

(1) Shah Jo Rosalo: *Sur Sarang* (Pages 66 to 91)—the Education Departmental Edition.

(2) *Jawhar-e-Nazim* by Mr. Bherumal Maharchand.

Intermediate Examination 1924.

Same as in 1923 with the following changes:—

I. No viva voce examination in English.

II. Courses in Hindi to be as follows:—

Hindi.

1 *Mahabharata* by Mahavira Prasad Dwivedi.

2. *Hindi Nibandhamala* Part I.
3. *Anyokti Kalpadruma* by Dinadayala Giri.

III. Courses in Marathi to be as follows :—

Marathi.

- (१) न्या० रानडे-धर्माविरुद्धाख्याने
- (२) ह० ना० आपटे-मी
- (३) मराठी वाङ्मयाचे अभ्यास
- (४) वि० शा० चिपलूणकर-संस्कृत कविपंचक

IV. Add Assamese, Sindhi and Oriya as new modern Indian languages with the following courses prescribed under them :—

Assamese.

1. *Sahitya Vichar* by Satya Nath Bora.
2. Selections from *Usha* (Articles *Dhan-o-Dhaner Vyavahara* and *Jiwaner Uddeshya Ki ?*)
3. *Jayamati* (Drama) by Lakshmi Nath Bezbarua.
4. Assamese language by Hem Chandra Goswami.

Sindhi.

Prose :—

1. *Gulshankar* by Diwan Kevalram Salamat Rai.
2. *Harishchandra* by Diwan Lilaram Singh Vatanmal.

Poetry :—

Swami Part I compiled by Diwan Kauramal.

CHANDANMAL.

SHAH JO RASALO: *Yaman Kalyan*.

Oriya.

Ramayana Katha by C. Nandu.

Bibasini by Ramsanker Roy.

Dakshinatya Bhramana by Sashibhushan Roy.

IV. Books in Persian to be as follows:—

Prose:—

1. *Anwar-i-Suhaili*, First Three Chapters (omitting the preface).
2. *Sawanih-i-Umriye Shaikh Muhammad Ali Hazin* by Hazin himself.

Poetry:—

Rubaiyat-i-Umar-i-Khaiyyam

Hafiz to end of radif of ;

For rapid reading:—

Shah's Diary Books II and III.

- V. Add Hindi language and literature as an optional subject with the following courses prescribed under it:—

Hindi.

Optional Course.

Three papers each of three hours' duration.

Paper I—Prose

- (1) *Adha-Khila-Phula* by Ayodhya Singh Upadhyaya (Kharag Vilas Press).
- (2) *Adars Jivana* by Ramachandra Shukla (N. P. Sabha).
- (3) *Chhatrasala* by Ramachandra Varma (Hindi Grantharatnakara Serris).
- (4) *Pratapa Nataka* by Radha Krishna Dasa (N. P. Sabha)

- (5) *Chandravali Natika* by Bharatendu Harish Chandra (Kharag Vilas Press).

Paper II—Poetry.

- (1) *Kabir Bachanavali* Part I by Ayodhya Singh Upadhyaya (N. P. Sabha.)
 (2) *Sankshipta Sachitra Ramayana* by Syama Sundara Dasa (Indian Press)
 (3) *Jayadratha Vadha* by Maithilisanan Gupta
 (4) *Hammira Hatha* by Sekhara (N.P. Sabha)
 (5) *Bhramara Gita* by Nanda Dasa
 (6) *Alamkara Chandrika* by Bhagawan Dina

Paper III.—

Translation from Hindi into English and English into Hindi.

B. A. Examination 1924.

Same as in 1923 with the following changes:—

- I. No viva voce examination in English.
 II. Courses in Hindi to be as follows:—

Hindi

1. *Mudra Rakshasa* by Bharatendu Harish Chandra (Khadgavilas Press).
 2. *Hindi Nibandhamala* Part II
 3. *Bharata Bharati* by Maithili Sarana Gupta
 4. Speech of the President of the Third Hindi Sahitya Sammelana.
 5. *Sahitya Sumana* by Balakrishna Bhatt.

III. Courses in Marathi to be as follows:—

Marathi.

- (1) निबन्धमाला by V. K. Chiplunka
- (2) सुभाषित आणि विनोद by Kelkar.
- (3) मराठे आणि इंग्रज by Kelkar.
- (4) शास्त्र by Devala.

III. Add Assamese and Oriya as new modern Indian languages with the following courses prescribed under them:—

Assamese.

Books recommended for study as presenting models of style.

- (a) Selections from *Katha Bhagavat* (Articles, *Sri Krishna Janma*, *Varsha* and *Sarat*) and *Bhattadewar Jiwani* (Introduction to the *Katha Gita* edited by Hem Chandra Deb Goswami)
- (b) Selections from *Janaki* (Article: *Samsara Prabaha*)
- (c) *Manomati* by Rajanikanta Bardalui.
- (d) *Belimar* (Drama) by Lakshminath Bezbarua
- (e) *Assamiya Bhasha aru Sahitya-Bwanji* by Devendra Nath Bezbarua.

Books for reference:—

Ahom Assamese and English Dictionary by Gopal Chandra Barua (Govt. Book Depot, Shillong).

Oriya.

Mahajatra Cantos I—IV by Radhanath Ray.*Konarka* by K. Misra.

IV.—Books in Arabic and Persian to be as follows :—

(A) Arabic.

ORDINARY COURSE.

*Al-Fakhri**Maqamat-e-Badii**Saba-i-Muallaqa**Diwan-i-Hamasa* (First Bab only)

HONOURS COURSE

In addition to the papers of the ordinary course there to be a special paper of three hours*Maqamat-i-Hariri* (First half)*Nafhat-ul-yaman**Timurnama**Quran* (First three siparas)

(B) Persian.

Prose :—

(1) *Jang Namah* by Niamat Khan-i-Ali.(2) *Chahar Maqala* by Nizamiye Aruzi.

Poetry :—

*Naldaman-i-Faisi*Hafiz (from radif of ω to the end)

For rapid reading :—

Ghulam Ali Azad-i-Bilgiramī's.

Khisan-i-Amira

HONOURS COURSE

In addition to the papers of the ordinary course there to be a special paper of three hours.

Diwan-i-Qaani

Qasaid-e-urfi

Kulliyat-e-Sadi

Sikandarnama of Nizami

Shahnama of Firdausi (first half).

V. Honours courses in Philosophy to be as follows :—

HONOURS COURSE.

Besides the papers mentioned above, candidates offering the Honours course to take up an advanced course in any one of the following subjects, on which one paper of three hours' duration to be set.

(a) LOGIC.

(b) History of Philosophy with special study of a particular author to be selected by the candidate.

(c) Social Psychology and Sociology.

(d) A branch of Indian Philosophy other than Sankhya such as:—

Nyaya-Vaisesika.

Vedanta (Advaita and Visistadvaita)

Jaina and Bauddha Philosophy.

(a) Logic:—

BAIN: Logic—Deductive and Inductive.

WELTON: Manual of Logic—Deductive (omitting Book

IV Chapters III-VI) and Inductive.

CREIGHTON: Introductory Logic (Part III only).

Tarkabhasa of Kesava Misra.

N. B.—In this paper 33 per cent of the total marks shall be assigned to Indian Logic.

- (b) History of Philosophy with special study of the position of a particular author.

FRANK THILLY: History of Philosophy and one of the following:—

Leibnitz: Monadology

or

Descartes: Meditations

or

Spinoza: Ethics.

- (c) Social Psychology and Sociology.

McDougall: Introduction to Social Psychology

Blackmar: Elements of Sociology.

Mackenzie: Outlines of Social Philosophy.

- (d) Indian Philosophy:—

- (1) Nyaya Vaisesika

(Books will be prescribed).

- (2) Vedanta (Advaita and Visistadvaita)

(Books will be prescribed).

- (3) Jaina & Bauddha Philosophy.

The courses recommended for Jaina-Bauddha Philosophy

Dravya Samgraha (Sacred Books of the Jainas series).

Dhammapada and Sutta-nipata.

Candidates required to show a general knowledge of the fundamental principles of Jainism and Buddhism. The following books recommended for consultation:

Javeri: First Principles of Jainism.

Warren: Jainism

Rhys David: Buddhism (American Lectures)

Mrs. Rhys David: Buddhistic Psychology

Sogen: Systems of Buddhistic Thought.

(Calcutta University Publications).

VI. Courses in History to be as follows:—

History.

Three papers each of three hours, a fourth paper for the honours course.

ORDINARY COURSE.

Paper I.—

(Europe from 1453, with special reference to the 19th Century).

A. J. GRANT: History of Europe, new ed. Part III only.

SEIGNOBOS: Contemporary Civilisation.

LIPSON: Europe in the 19th Century

Paper II.—

Either A (Ancient India).

V. A. SMITH: Early History of India.

„ „ Asoka. (Rulers of India).

RHYS DAVIDS: Buddhist India (Story of Nations)..

or B. (Mediæval India).

LANE POOLE—Mediæval India under Muhammadan Rule, -

„ „ Mediæval India from Contemporary Sources, (Cooper & Co).

V. A. SMITH: Akbar the Great Mughal.

RANADE: Rise of the Maratha Power, Vol. I.

or C. (*British India*).

LYALL: Rise and Expansion of the British Dominion.

INNES: Short History of the British in India under early British Rule.

„ Economic History of India in the Victorian Age.

Paper III.—

(Economics and Political Science).

MORELAND: Introduction to Economics.

PENSON: Economics of Everyday Life Parts I & II.

LEACOCK: Elements of Political Science.

J. A. R. MARRIOT: English Political Institutions.

The student is recommended to consult Seeley's Introd, to Political Science also].

HONOURS COURSE.

Paper IV.—

(*Either A—History of England from 1485*).

J. R. GREEN: Short History of the English People, new ed. by Mrs. Green.

TOWNSEND WARNER: Landmarks of Industrial History.

MONTAGUE: Elements of English Constitutional History.

or B.—*India under the Crown: Political, Social Religious and Cultural Developments.*

The Montague-Chelmsford Report on Indian Constitutional Reforms.

M. G. RANADE: Social and Religious Reform.

Cambridge Modern History Vol. XII.

PROFESSOR SISSON: The Renaissance in India.

R. C. DUTT: India in the Victorian Age.

VII.—Add Hindi language and literature as a new optional subject with the following courses prescribed under it:—

A Modern Indian Language and Literature

HINDI

(ORDINARY COURSE)

Three papers, one on text-books of prose, the second on text-books of poetry and the third on translation from English into Hindi and vice versa and Composition.

Paper I. *Prose*—

(1) *Ramayani Katha* by Bhagawana Dasa Halna (Abhyudaya Press);

(2) *Malati Madhava* (Drama) by Satya Narain Kaviratna;

(3) *Antastala* by Chatura Sena Sastri (Hindi Grantha-Ratnakara Series);

(4) *Sahityalochana* by Shyama Sundar Das (Hindi Grantha-Ratnakara Series);

(5) *Kavi Panchaka* by Ganga Prasad Agnihotri (Newal Kishore Press);

Paper II. *Poetry*—

(1) *Vinaya Patrika* by Tulasi Dasa (Excepting Stotras)

(2) *Padmavata*, Purvardha by Malika Muhammada Jayasi.

(3) *Rama Chandrika* by Kesava Dasa (abridged) (N. P. Sabha).

(4) *Bhushana Granthavali* (N.P. Sabha).

(5) *Rasa Batika* by Ganga Prasad Agnihotri.

(6) *Nava Rasa* by Gulab Rai.

(7) *Sarala Pingala* by Puttana Lal Vidyarthi and Lakshmidhara Sukla.

N.B.—Questions on the History of Hindi Language and Literature relating to the authors prescribed will be distributed over both the papers. The books indicating the scope of knowledge in this subject are:—

- (a) Greave's Sketch of Hindi Literature.
- (b) M. P. Dvivedi's *Hindi Bhasha ki Utpatti*.
- (c) „ „ *Natya Sastra*.

HONOURS COURSE

An extra paper on a special author.

Works of any one of the following authors:—

Jayasi, Behari, or Bharatendu Harischandra.

M. A. Examination 1924.

Same as in 1923 with the following changes.

I. Nine papers in all in Samskrit, five compulsory and four to be chosen from one of the groups A. to H. the courses for the compulsory papers to be as follows:—

{ Paper I.—

(a) The following selections from the Rigveda.

Mandala I Suktas 24, 31 and 32.

„ IX „ 1 & 2.

„ X „ 34, 108 & 129.

(b) Paraskara Grhyasutra.

(c) Macdonell's History of Samskrit Literature—
Chapters I to IX.

Grammar—as much as concerned the text of the selections.

Paper II.—

Sarvadarsana Samgraha of Madhavacharya (Chapters on Bauddha, Arhata, Ramanuja, Patanjala, Jaimini and Sankara Darsanas. (Anandasrama Edition).

Sankhya Karika, with Tattvakaumudi.

Bhasaparichchheda.

Paper III.—

Sisupalavadha Canto XI.

Sakuntala.

Kadambari (Purvabhaga).

Siddhanta Kaumudi-Karaka, Samasa and Taddhita.

Paper IV.—

Prakṛta Prakasa.

Bhandarkar's Wilson Philological Lectures—Lectures II and III.

Karpuramanjari (Harward Edition recommended).

Paper V.—

(a) Vincent Smith's History of Early India (Third Edition).

(b) Buhler's Indian Palaeography (with Plates).

Courses for the groups A to H to be as in 1923. but the papers of each group to be re-numbered as VI, VII, VIII, and IX.

II.—Nine papers in English, the candidate to take all the papers. Also a viva voce examination covering the entire course. Text books prescribed for all the nine papers to be as in 1923.

- III. Courses in Pali, Arabic and Persian, Philosophy History, Political Economy and Political Philosophy Mathematics and Hindi Language and Literature (added as a new subject) to be as follows:—
-

Pali.

Eight papers, each of three hours' duration. Also a *viva voce* examination.

Paper I—

Chapters I to 20 from Mahavamsa.

Selections from the Jatakas as given in Dines Anderson's Pali Reader.

Paper II—

Dhammapada.

Pudgalapannati with Commentary.

Paper III—

Milindapanha.

Dipavamsa.

Paper IV—

Composition.

Paper V—

Tharatherigatha, with Paramarthadipani by Dharmapala.

Paper VI.

Chapters IV to VII from Chullavagga, Chapters I to V Mahavagga and Chapters I to XV from Lalitavistara.

Paper VII—

Dighanikaya, Vol. I.

Bodhicharyavatara, with Commentary (Ch. 9 only.)

Paper VIII—

Kachchayana's Grammar.

History of Buddhist Literature.

Arabic and Persian.

Seven papers each of three hours' duration.

- (i) Prose Text-books.
- (ii) Poetry Text-books.
- (iii) Unseen Prose and Verse Translation. and
- (iv) Translation into the Language.
- (v) Essay in the Classical Language on some Literary subject.
- (vi) The History of the Language and the Literature.

N. B. Questions to be answered in English or Urdu or Hindi.

- (vii) The special selected subject.

(A) ARABIC.

Maqamat-i-Flariri (whole.)*Dewan-i-Hamasa* (whole.)*Diwan-i-Mutanabbi*.

Travels of Ibn-i-Batuta.

Farasdaq (first half.)

Recommended for study :—

Nicholson: Literary History of the Arabs (Fisher Unwin)

Special subject to be chosen from the following :—

- (i) Arabic History and Geography.
- (ii) Arabic Logic and Philosophy.

- (iii) The Quran and Quranic Exegesis.
- (iv) Modern Egyptian Arabic as exhibited in Green's Grammar and Selections. (Oxford Clarendon Press.)
- (v) Semetic Philology with special reference to Wright's Comparative Semetic Grammar (Cambridge University Press.)

(B) PERSIAN.

Waqai-i-Ni'mat Khan.

Akhlaq-i-Jalali.

Letters of Abul-Fazl.

Diwan-i-Saib.

Qasaid-i-Anwari.

Shahnama of Firdausi.

Taskirat-ush-Shu'ara of Daulat Shah.

Recommended for study:—

Browne's Literary History of India (Fisher Unwin).

Shir-ul' Ajam by Shilbli. (Dar-ul-musannifin, Azamgarh).

Special subject to be chosen from the following:—

- (i) Old Persian Inscriptions as given in Tolman's book. (American Book Company).
- (ii) Avesta Grammar and Selections from the Avesta, published by A. V. Williams Jackson.
- (iii) The differences between modern and classical Persian, as shown in Roger's Persian Plays, the *Vazir-i-Lankaran*, and Phillott's Modern Persian Stories (Asiatic Society of Bengal).
- (iv) Persian Philology with special reference to Gray's Indo-Iranian Philology. (Columbia University Press.)

Philosophy.

Seven papers each of 3 hours' duration. Of these, Papers I, II, III, IV and VII common and compulsory for all candidates. Papers V and VI to be either on a branch of European or of Indian Philosophy and a candidate to select for the two papers a subject under either head, as indicated below under Group A and Group B. Also a viva voce examination.

N. B.—The books recommended for study not meant to be used as prescribed text books but as indicating the general scope of studies in the subjects to which they related. In Indian Philosophy however, the questions to be confined as far as possible, to the books recommended.

Paper I—

History of European Philosophy—Ancient, Mediæval and Modern with special reference to Kant's "Position in Philosophy" as presented in his *Critique of Pure Reason*."

Books recommended for study:—

- (1) ZELLER: Outlines of the History of Greek Philosophy.
- (2) TURNER: History of Philosophy (Mediæval Period.)
- (3) FLACKENBERG: History of Modern Philosophy.
- (4) WATSON: Selections from Kant.

Books that may be consulted:—

- ZELLER: Plato and Aristotle (Longmans);
 ADAMSON: Developments of Greek Philosophy;
 WEBER: History of Philosophy;
 DE WULF: History of Mediæval Philosophy (English Translation);
 WANDELBAND: History of Philosophy;

ADAMSON: Development of Modern Philosophy;

PERRY: Recent Philosophy;

WATSON: Philosophy of Kant Explained;

PAULSEN: Philosophy of Kant.

Paper II.—

Outlines of Indian Philosophy.

Books recommended for study:—

(1) Saddarsana Samuchchaya of Haribhadra.

(2) Sariraka Bhasya Adhyaya II, Padas I and II.

(3) Vedantasara of Sadananda.

Books to be consulted:—

Commentary of Gunaratna on Saddarsana Samuchchaya;

Sarvadarsana Sangraha ;

Sarvasiddhanta Sangraha;

MAX MULLER: Six Systems of Indian Philosophy;

IYENGAR: Outlines of Hindu Philosophy;

DEUSSEN: System of the Vedanta.

Paper III.—

General Psychology.

Books recommended for study:—

(1) JAMES: Principles of Psychology.

(2) STOUT: Analytic Psychology.

(3) WARD: Psychological Principles.

Books to be consulted: .

KULPE: Outlines of Psychology;

BALDWIN: Handbook of Psychology;

SULLY: Human Mind;

ANGELL: Chapters from Modern Psychology;

BALDWIN: History of Psychology;

DESSOIR: History of Psychology.

Paper IV.—

General Philosophy.

Books recommended for study:—

- (1) MARVIN: Introduction to Philosophy.
- (2) TAYLOR: Elements of Metaphysics.
- (3) HOFFDING: Problems of Philosophy.
- (4) BERGSON: Introduction to Metaphysics.
- (5) JAMES: Meaning of Truth.

Books to be consulted:—

SPENCER: First Principles;
 BRADLEY: Appearance and Reality;
 JAMES: Pluralistic Universe;
 SCHILLER: Studies in Humanism;
 STURT: Personal Idealism;
 PAULSEN: Introduction to Philosophy.

Papers V and VI.—

GROUP A.

Special Study of one of the following subjects:

- (a) Psychology (special)
- (b) Logic.
- (c) Ethics and Sociology.
- (d) Comparative Religion.

Paper V.—

Psychology, Physiological and Abnormal.

Books recommended for study:—

(1) ZIEHEN: Introduction to Physiological Psychology.

(2) WUNDT: Principles of Physiological Psychology.

Vol. 1 translated by E. B. Titchener).

(3) MERCIER: Psychology—Normal and Morbid.

(4) MYERS: Human Personality.

Books to be consulted:—

LADD: Physiological Psychology;

TITCHENER: Text-book of Psychology;

MAUDSBY: Abnormal Psychology;

SIDIS AND GOODHART: Multiple Personality;

JASTROW: The Subconscious;

BIANCHI: Psychiatry (English Translation.)

N. B.—Comparative study of Western and Indian Psychology required.

Paper VI.—

Psychology—Comparative, Social and Religious.

Books recommended for study:—

(1) LLOYD MORGAN: Comparative Psychology.

(2) HOBHOUSE: Mind in Evolution.

(3) Mc DOUGALL: Introduction to Social Psychology.

(4) STARBUCH: Psychology of Religion.

Books to be consulted:—

WUNDT: Human and Animal Psychology;

ROMANES: Mental Evolution in Animals;

ROSS: Social Psychology;

BALDWIN: Mental Development—Social and Ethical Interpretation;

JAMES: Varieties of Religious Experience.

WATSON: Interpretation of Religious Experience (Gifford Lectures.)

(b) Logic.

Paper V.—

Logic—Formal and Symbolic.

Books recommended for study:—

(1) KEYNE: Formal Logic.

(2) HUGH MACCOLL: Symbolic Logic.

(2) SCHILLER: Formal Logic.

Books to be consulted:—

DEWEY: Studies in Logic Theory;

SIDGWICK: Application of Logic;

JEVONS: Principles of Science, Book I;

VENN: Symbolic Logic.

Paper VI.—

Logic as Theory of Knowledge and Methodology.

Books recommended for study:—

(1) HOBHOUSE: Theory of Knowledge.

(2) LOTZE: Logic.

(3) VENN: Empirical Logic.

(4) ADAMSON: History of Logic.

Books to be consulted:—

MILL: System of Logic;

JEVONS: Principles of Science;

SIGWART: Logic.

BRADLEY: Principles of Logic;

BOSANQUET: Logic or Morphology of Thought;

B. N. SEAL: Appendix to Dr. P. C. Roy's Hindu Chemistry, Vol. II.

N. B.—Comparative study of Western and Indian Logic required.

(c) Ethics and Sociology.

Paper V.—

Ethics.

Books recommended for study:—

- (1) GREEN: Prolegomena to Ethics.
- (2) WUNDT: Ethics.
- (3) ALEXANDER: Moral Order and Progress.
- (4) ROGER: Short History of Ethics.

Books to be consulted:—

ARISTOTLE; Nichomachean Ethics;
 ROYCE: Philosophy of Loyalty;
 KANT: Theory of Ethics (Abbot);
 STERRET: Ethics of Hegel;
 MARTINEAU: Types of Ethical Theory;
 SIDGWICK: Methods of Ethics;
 LESLIE STEPHEN: Science of Ethics;
 WILLIAMS: Evolutional Ethics.
 TAYLOR: Problem of Conduct;
 SIDGWICK: History of Ethics.

Paper VI.—

Sociology.

Books recommended for study:—

- (1) GIDDINGS: Principles of Sociology
- (2) WARD: Pure Sociology.
- (3) FAIRCHILD: Applied Sociology.

Books to be consulted:—

SPENCER: Principles of Sociology;
 MAINE: Ancient Laws;
 TAYLOR: Primitive Culture;
 FRASER: Psyche's Task;
 WESTERMARCH: History of Moral Ideas;
 MC DOUGALL: Social Psychology.
 TARDE: Social Logic.
 BALDWIN: Social and Ethical Interpretation of Mental Development.

N. B.—Comparative study of Western and Indian Ethics and Sociology required.

(d)—Comparative Religion.

(Books not prescribed.)

GROUP B.

Special study of any one of the following subjects—(a) Nyaya Vaisesika (b) Sankhya Yoga (c) Vedanta (Advaita and Visistadvaita (d) Mimamsa (e) Jaina-Bauddha Philosophy.

(a) NYAYA AND VAISESIKA

Paper V.

Gautama Sutras with Vishwanatha *Vritti*.

Paper VI.—

Kanada Sutras with Upaskara or Prasastapada.

Books to be consulted:—

Vatsyayana Bhasya on the Gautama Sutas;
 Kanada Sutas and Vritti of Jayanarayana;
 Chandrakantiya Bhasya on Kanada Sutas;
 J. C. CHATTERJI: Hindu Realism;
 B. N. SEAL: Positive Science of the Hindus.
 Chapter VII.

Nyaya Kandali.

(b) SANKHYA YOGA.

Paper V.—

Sankhya Philosophy.

Kapila Sutas with Aniruddha Vritti and Tattwa-
 kaumudi.

Paper VI.—

Yoga Philosophy.

Patanjala Sutas with Vyasa Bhasya and the Vritti called
 Maniprabha.

Books to be consulted:—

VIJÑANABHIKSHU'S Commentary on the Kapila Sutas and
 Yogavartika;

Tattwasamasa Sutas;

Srimad Bhagvatam (portions bearing on the subjects here)
 Yogavashistham;

VACHASPATI MISRA'S Vaisaradi on the Vyasa Bhasya.

(c) VEDANTA.

Paper V.—

Advaita Vedanta.

Pāñchadasi (the whole); Brahma Sutas with Sankara
 Bhasya (Sutas 1-4),

Paper VI,—

Visistadvaita Vedanta.

Ramanuja Bhasya (the entire commentary under Sutras 1-4);

Lokacharya : Tattwattraya (Chowkhamba Samskrit series)

Books to be consulted :—

Vedantapariibhasa

Siddhantaleśa ;

DEUSSEN : Philosophy of the Upanisads ;

Vedārtha Samgraha of Ramanuja

DEUSSEN : System of the Vedānta

(d) MIMANSA

(Courses not prescribed)

(e) JAINA-BAUDDHA PHILOSOPHY

Paper V—

Jaina Philosophy

Books recommended for study :—

Tattvarthadhigama Sutra with the commentary of Umasvati-Vachaka

(Raichandra Jainashastramala Series, Bombay); Syadvada Manjari of Mallisena (Chowkhamba Samskrit Series).

Paper VI—

Bauddha Philosophy :—

Books recommended for study.—Abhidhammattha Samgaha and Samyutta Nikaya-Nidana Vagga.

Books that may be consulted :—

Jainism : Weber's Article on the Indian Antiquary or Jainism and Sinclair and Jain's Outlines of Jainism, Tattvartha-

raj Vartika Panchastikayasara, Buddhism: Dharmo sangani with the Arthashalini of Buddhaghosha; Vishuddhiyogga: Dialogues of Buddha (English Translation) For the History of Buddhism—Kern's Manual of Indian Buddhism, Rhys Davids Indian Buddhism (Hibbert Lectures) Sogen's Systems of Buddhistic Thought.

Paper VII.—

Essay.

N. B. Alternative Questions (one of which will have to be attempted) to be set on the subjects of special study offered by the candidate.

History

Seven papers, each of three hours' duration. No exchange of papers between Groups A, B and C to be allowed.

Paper I.—

Comparative Politics

WARDE FOWLER: City State of the Greeks and Romans

GUIZOT: Lectures on Civilization in Europe

SIDGWICK: Development of European Polity

LOWELL: Governments and Parties in Continental Europe

BRYCE: Modern Democracies.

Paper II.—

Subject chosen for the Examinations of 1924-28:

Cavour and the Unity of Italy (1850-1875).

BOLTON KING: History of Italian Unity-Parts III-VI

CESARESCO: Cavour (Foreign Statesmen Series)

STILLMAN: Union of Italy (Cambridge Historical Series: Cambridge Modern History Vol. XI, Chapters 14 and 19, .

Paper III.—

The Constitutional History of England.

DICEY: Law of the Constitution..

MEDLEY: Constitutional History of England.

MAITLAND: English Constitutional History.

Paper IV :—

An essay on any subject included in the course.

Papers V—VII:—A. GROUP.

(i)—(Ancient Hindu India.)

RAPSON: Indian Coins.

SCHOFF: Periplus.

MC CRINDLE: Megasthenes and Arian.

SHAMA SHASTRI : *Artha Shastra*. (English translation)

MACDONEL: History of Samskrit Literature.

KAEGI: *Rg Veda*.

FLEET: Gupta Inscriptions (Corpus Inscip. Indic
Vol. III.)

[The student expected to possess an up-to date knowledge of the Ancient Geography of India.]

(ii)—(The Buddhistic World,)

KERN: Manual of Indian Buddhism.

BUHLER: Indian Sect of Jainas.

BEAL: Buddhist Records of the Western World,
2 Vols.

Asoka's inscriptions as in *Epigraphia Indica* Vol. II,

GILES: Civilisation of China (Home University.)

(iii)—(The Ancient East).

BUDGE: Egyptian Religion.

MASPERO: Art in Egypt (Heinemann).

Papers V—VII. C. GROUP.

- (i)—British India, a select period; from Cornwallis to Wellesley.)

Fifth Report ed. by Firminger, Vol. I.

M. M. D. L. T: History of Haidar Naik and Tipu Sultan.

S. OWEN: Selections from Wellesley's Despatches.

„ „ : Selections from Wellington's Indian Despatches.

DUFF: History of the Mahrattas, Vol. III. Chs. 3-15.

MILL AND WILSON: History of India Bk. VI. being Vols. 5 and 6 of the Fourth Edition.

- (ii)—(India under the Crown).

A. RANGASWAMI AIYANGAR:—Indian Constitution.

P. MUKHERJI:—Indian Constitutional Documents.

[And other books to be announced later.]

- (iii)—(Economic History of India from 1300 A. D.)

MACPHERSON:—History of European Commerce with India.

Blochman and Jarrett:—*Ain-i-Akbari* Vols. I and II.

TAVERNIER:—Travels, tr. by Ball.

J. N. SARKAR:—India of Aurangzeb—Statistics. Topography and Roads.

BADEN POWELL:—Land Revenue in British India. 2 vols.

S. C. ROY: Famines in India.

R. C. DUTT: Economic History of British India, 2 vols.

Moral and Material Progress, Decennial Reports. 1901 and 1911.

• Political Economy and Political Philosophy.

SEVEN papers, each of three hours' duration.

Paper I—

Analytical Economics and History of Economic Theory.

Books recommended:—

MARSHALL: Principles of Economics.

GIDE AND RIST: History of Economic Thought.

SMART: Introduction to the Theory of Value.

CARVER: Distribution of Wealth.

CLARK: Essentials of Economic Theory.

Paper II—

Economic History of England and India and Modern
Tariff History.

(Students expected to show knowledge of the general
history of the 19th century as outlined in such an
elementary book as Robinson's Development of Europe
Vol. II,)

Books recommended:—

MEREDITH: Economic History of England.

CUNNINGHAM: Commerce and Industry Vol. II. Part II.

ASHLEY: Economic Organisation of England.

TOYENBEE: Industrial Revolution.

ASHLEY: Modern Tariff History.

TAUSSIG: Tariff History of the United States.

CHOLMELY: Protection in Canada and Australia.

R. C. DUTT: India under Early British Rule and India in
the Victorian Age.

Paper III.—

Comparative Politics.

Books recommended.—

WARDE FOWLER: City State of the Greeks and Romans.

GUIZOT: Lectures on Civilisation in Europe.

SIDGWICK: Development of European Polity.

LOWELL: Governments and Parties in Continental Europe.

BRYCE: Modern Democracies.

Paper IV—

Essay on some Economic or Political subject.

EITHER GROUP A ECONOMICS.

Paper V—

Money, Banking, Prices and Finance with special reference to India.

CONANT: Principles of Money and Banking.

FISHER: Purchasing Power of Money.

WITHER: Money Changing.

BASTABLE: Public Finance.

GUSTAV COHN: Public Finance.

LAYTON: Introduction to the Study of Prices.

DATTA: Report on High Prices in India.

CHAMBERLAIN Commission Report on Indian Currency.

Indian Financial Statements from 1906-1917.

Paper VI—

A special Indian Economic Problem to be studied in greater detail, *e. g.*

A. Co-operation.

B. The Problem of Indian Manufactures.

C. Indian Agriculture.

D. Transport (including Shipping.)

E. Famines.

Books recommended to be studied under "E. Famines"—

Reports of the Famine Commissions.

N. B. If these not available in time the following books to be substituted :—

DUTT : *Famines in India.*

LOVEDAY : *Economics of Famines in India.*

S. C. RAY : *Economic Causes of Famines in India.*

DIGBY : *Famine Campaigns in Southern India.*
(2 Volumes).

Note.—The books to be studied for Paper VI to be announced from time to time according to the subject which was selected by the University Professor for the particular year.

Paper VII.—

Either Theory and Practice of Statistics.

Books recommended :—

BOWLEY : *Elements of Statistics.*

YULE : *Introduction to the Theory of Statistics.*

GIFFEN : *Economic Inquiries and Studies*, 2 Vols.

Or Social, Economic and Labour Problems.

Books recommended :—

ROWNTREE : *Poverty.*

S. B. WEBB : *Public Organisation or the Labour Market.*

WEBB : *Industrial Democracy.*

GRAHAM : *Socialism*, new and old.

BUSHILL : *Profit-Sharing and Labour Questions.*

SCHLOSS : *Methods of Industrial Remuneration.*

PIGOU : *Unemployment.*

Or GROUP B. *POLITICAL PHILOSOPHY.*

Paper V.—

Constitutional organisation of the British Empire, the Self-Government Dominions and India.

Books recommended :—

DICEY : Law of the Constitution.

LUCAS : Historical Geography of the British Colonies.

KEITH : Responsible Government in the Dominions.

BRAND : Union of South Africa.

CURTIS : The Problems of the Commonwealth.

DURHAM : Report on Canadian Self-Government.

ILBERT : Government of India.

LEE WARNER : Native States of India.

Report of the last Imperial Conference.

Paper VI—

Principles and History of Political Philosophy.

BLUNTSCHLI : Theory of State.

GREEN : Lectures on Political Obligation.

JETHRO BROWN : Underlying Principles of Modern
Legislation.

DUNNING : History of Political Theories 2 Vols.

E. BARKER : Political Thought from Spencer to to-day.

RANGASWAMI IYENGAR : Some Aspects of Ancient Indian
Polity.

Paper VII—

Either Comparative Study of Social and Political Institutions.

MAIN : Ancient Law (Pollock's Edition).

COULANGE : Ancient City.

FISHER : Bonapartism.

CARVER : Sociology and Social Progress.

GIDDINGS : Democracy and Empire.

KIDD : Social Evolution.

RISLEY: Census Report for India 1901.

Or Colonial and Local Government.

REINSCH: Colonial Government and Administration.

LEWIS: Government of Dependencies.

FAIRLIE: Municipal Administration.

GOODNOW: City Government in U. S. A.

SHAW; Municipal Government in Continental Europe.

P. ASHLEY: English Local Government.

DAWSON: Municipal Life and Government in Germany.

Mathematics.

EIGHT papers, each of three hours' duration. Candidates required to offer Group A and to take either any two subjects from Group B or any two subjects from Group C.

GROUP A.

1. (a) *Integral Calculus*:—

Definite Integrals, Multiple Integrals, including Green's theorem and Dirichlet's theorem, Line and Surface Integrals, Easy Integral Equations and use of Fourier's series.

(b) *Differential Calculus*:—

Maxima and Minima of functions of two or more independent variables, multiple points, curve tracing, change of variables and Jacobians.

2. (a) *Analytical Conics*—as in Askwith's "Analytical Geometry of the Conic Sections, "Chapters XIV to XIX".

(b) *Solid Geometry*—as in Charles Smith's "Solid Geometry."

3. *Differential Equations*—as in Forsyth's "Differential Equations" excluding Jacobi's Method and Partial

Differential Equations of 2nd and higher orders with variable coefficients.

4. *Algebra, Trigonometry and Theory of Equations*—as in Chrystal's *Algebra* Part II, Chapter XXXI Chapter XXXV Arts. 1-18; Hobson's "Trigonometry," Chapters XIII-XVIII; Burnside and Panton's "Theory of Equations" Part I, and Chapter XIII of Part II.

5. *Statics*;—

Forces in three dimensions. The principle of work. Centre of Gravity. Strings. Attractions and Potentials of rods, discs, spheres and spherical shells, homogeneous ellipsoids and ellipsoidal shells; Laplace's, Poisson's and Gauss's theorem.

Routh's "Statics" and Loney's "Statics" are recommended.

6. (a) *Dynamics of a Particle*—as in Loney's "Dynamics of a Particle and of Rigid Bodies." Chapters, I-X.
 (b) *Rigid Dynamics*—limited to two dimensions, including Lagrange's Equations and their applications to easy problems.

Routh's "Elementary Treatise on Rigid Dynamics" Chapters I-IV and Loney's "Dynamics of a Particle and of Rigid Bodies," Chapters XI-XV, XVII-XIX are recommended.

GROUP B.

1. *Spherical Astronomy*—as in Sir R. S. Ball's "Treatise on Spherical Astronomy".
 2. (a) *Hydrostatics*—as in Besant and Ramsey's "Hydro-mechanics Part I, excluding Chapters IX and X.

- (b) *Hydrodynamics*—as in Basset's "Elementary Treatise on Hydrodynamics," Chapters I-IV, VI, VII.
3. *Harmonic Analysis*—with applications as in Byerley's Fourier's Series and Spherical Harmonics."
 4. *Dynamical Astronomy*—including Lunar and Planetary Theories, as in Plummer's Dynamical Astronomy."
 5. *The Theory of Integral Equations*—with applications as in Heywood and Frochet's "L'equation de Fredholm et ses applications a la Physique Mathematique," Vivanti's, "Elementidella Teoria delle equazioni integrali lineari" may also be consulted.

GROUP C.

1. *The Theory of Aggregates and the Theory of Functions of a Real Variable*—as in the syllabus given in Schedule A given below.
2. *The Theory of Functions of a Complex Variable*—as in Hodrick's translation of Goursat's Cours d'Analyse Mathematique," Vol. II, Part I.
3. *Differential Geometry*—as in the syllabus given in Schedule B given below. Forsyth's Differential Geometry recommended.
4. (a) *Non-Euclidean Geometry* as in Chapters I-VII, X and XI-XIV of Coolidge's "Non-Euclidean Geometry."
- (b) *Projective Geometry* as in Cremona's "Projective Geometry" or the corresponding portions of Mathew's "Projective Geometry."

N. B.—In Coolidge's "Non-Euclidean Geometry" those parts of Chapters VIII and X which might be considered absolutely necessary for under-

standing the twelve chapters mentioned above also to be studied.

5. The Theory of Elliptic Functions with applications as in Appell and Laccur's "Theorie des fonctions elliptiques" and Greenhill's "The applications of Elliptic Functions."

SCHEDULE A.

I. Theory of Aggregates.

1. Irrational numbers. Cantor's and Dedekind's Theory. Arithmetical Theory of Limits. Convergent sequences.

2. Theory of Aggregates or sets of points.

- (a) Definitions:---Limiting point, everywhere dense, dense in itself, closed, perfect, non-dense sets.
- (b) Power or Potency of an Aggregate. Enumerable and unenumerable Aggregates, with fundamental theorems about rational, algebraic and real numbers.
- (c) Derivatives of Aggregates. Aggregates of the 1st and 2nd species, and those of the 1st and 2nd category.
- (d) The content and measure of Aggregates.
- (e) Heine-Borel Theorem on sets of intervals.
- (f) None-dense closed sets.

II Theory of functions of a Real Variable.

1. Functions of Real Variables.

- (a) Continuity of Functions of one or two real variables. Uniform continuity. Discontinuities of the 1st and 2nd kind. Pointwise discontinuous functions and totally discontinuous functions.
- (b) Monotone functions and functions of bounded variation or limited total fluctuation.

- (c) The derivatives of functions. Some important properties of derivatives. Continuous functions not possessing a differential coefficient anywhere in a given interval. Partial differential coefficients. Cases in which $\frac{d^2f}{dx dy}$ differs from $\frac{d^2f}{dy dx}$. Maxima and minima of one or two real variables.

2. Integration.

Riemann's definition of Integration. Lebesgue's definition of Integration. Important properties of the definite Integral. The fundamental theorem of the Integral Calculus. Mean Value Theorems. Improper Integrals. Definitions of double and repeated Integrals. Content and measure of two dimensional sets. Rigorous proof of the rule for Integration by parts.

3. Series of Real Variables:—

- (a) Convergence of series. Uniform convergence. Tests of uniform convergence. Continuity of the sum function.
- (b) The convergence of power series. Product of two series. Taylor's Theorem. Lagrange, Cauchy and Schlomilch's forms for the Remainder in Taylor's Series, Expansibility in Taylor's Series.
- (c) Double sequence and double series.
- (d) Differentiation and integration of series.
- (e) Cantor method of condensation of singularities.
- (f) Weierstrass's theorem on the representation of a continuous function by a series of polynomials.

Books suggested for consultation:—

HOBSON: Theory of Functions of a Real Variable (Camb. University Press).

PIERPOINT: Theory of Functions of a Real Variable (Ginn & Company, New York.)

SCHEDULE B

I. Curves in space. Radii of curvature. Torsion. Spherical curvature. Frenet's Formulæ. Moving Trihedron. Some special curves (e. g. the Helix, the Bertrand Curves etc.)

II. Surfaces ;

- (a) The fundamental forms. The three fundamental differential equations. Gaussian curvature. Asymptotic lines. Lines of curvature. Conjugate lines.
- (b) Developable surfaces. Surfaces of constant positive curvature. Surfaces of constant negative curvature. Minimal surfaces. Some other special surfaces.
- (c) Orthogonality. Conditions to be satisfied by orthogonal surfaces. Properties of orthogonal surfaces.
- (d) Lines drawn on surfaces. Geodasic lines and their properties including those relating to curvature. Geodasic triangles. Isothermal lines.
- (e) Quadrature and Cubature.

A Modern Indian Language and Literature.

Ten papers, each of three hours duration to be distributed in the following manner:—

- (i), (ii) & (iii) Text-books; the distribution of text-books among the papers to be

settled in each case by the Board of Studies concerned. There to be, however, an adequate representation of all periods as well as departments of the literature.

- (iv) History of the Language and the Literature.
- (v) Essay on an advanced literary subject.
- (vi) Translation from English or a Classical Language (Arabic, Persian or Samskrit) into the Modern Indian Language and from the Modern Indian Language into English.
- (vii) Principles of criticism. The Board of Studies to prescribe for this paper, original works of criticism from Western as well as from Oriental literature,
- (viii) Comparative Philology with special reference to Indian languages.
- (ix) A subsidiary modern Indian language to be selected from a group prescribed by the Board of Studies concerned, the standard being that of the Intermediate course.
- (x) A special author or period of literature. It shall, however, be open for a candidate to offer a thesis on the subject matter of the last paper in lieu of the examination in that paper.

Paper I.

- (1) *Purani Hindi Kavita* by Chandradhara Sarma Guleri
- (2) Selections from Hindi Literature, Book I, Bardic Poetry by Sita Rama.
- (3) *Padmavata* by Malika Muhammada Jayasi.
- (4) *Ananda Vikrama Samvat ki Kalpana* by G.H. Ojha.

r II.

- (1) *Satasai* of Bihari Lala.
- (2) *Sura Sagara* of Sura Dasa (abridged).

- (3) *Kavitavali* of Tulasi Dasa.
- (4) *Naisadha* of Gumana.
- (5) *Rama Chandrika* of Kesava Dasa.

Paper III.

- (1) *Mudnarakshasa* by Bharatendu Harishchandra.
- (2) *Uttara Rama Charita* by Satyanarayana Kaviratna.
- (3) *Kadambari* by Rishishwarnath Bhatt.
- (4) *Prema Sagara* by Lallulala.
- (5) *Nasiketopakhyana* by Sadal Misra.
- (6) *Rani Ketaki Ki Kahani* by Insa Allah Khan.
- (7) *Himmat Bahadur Virudavali* by Padmakara.
- (8) *Ramaswamyavara* abridged by Raghuraj Singh
- (9) *Priya Pravasa* by Ayodhya Singh Upadhyaya
- (10) *Buddha Charitra* by Ramachandra Sukla.

N. B.—Questions on Hindi Prosody and Rhetoric to be distributed over all the first three papers. The following books recommended for study:—

- (a) Bhikhari Dasa : *Kavya-Nirnaya*.
- (b) Pratapa Sahi : *Vyangyārtha Kaumudi*
- (c) Jagannatha Prasad Bhanu : *Chhandu-Prabhakara*.

Paper IV.

- (1) *Misra Bandhu Vinoda*.
- (2) Linguistic Survey of India Vols. VI and IX (Part 1)
- (3) Census of India 1911, Vol. 1, Chapter on Languages
- (4) *Siva Singh Saroja*.
- (5) Essay on Hindi Literature in the Enc Britannica.

Paper VII.

- (1) Worsfold : Judgment in Literature.
- (2) Hudson : Introduction to the Study of Literature.

- (3) Jones : English Critical Essays.
- (4) *Sahitya Darpana* by Vishwanatha Kaviraja.
- (5) *Dasa Rupaka* of Dhananjaya, especially the Introduction (Columbia University Series)
- (6) Macdonnel's History of Sanskrit Literature (omitting the Vedic period).
- (7) Rajasekhara's *Kavya Mimamsa*.
- (8) Courthope's Life in Poetry and Law in Taste.
- (9) Articles on Poetry, Fine Arts and Drama in the Encyclopædia Britannica.

Paper VIII.

- (1) Bloomfield's Introduction to the Study of Languages
- (2) Hoernle's Comparative Grammar of the Gaudian Languages.
- (3) Dr. Bhandarkar's Wilson Philological Lectures.
- (4) Woolner's Introduction to Prakrita.
- (5) Turner's Phonology of Gujarati.

Paper IX. Urdu, Bengali, Marathi, Gujrati.

Same as the Intermediate compulsory course in these languages.

Paper X.—

Any one of the following may be chosen :—

- (a) Tulasi Dasa and his times.
- (b) The Bardic Chronicles in Hindi,
- (c) The Modern Hindi Prose.
- (d) The Romantic Poetry in Hindi.
- (e) Kesava Dasa and his School.
- (f) Harischandra and his time.

B. Sc., Examination 1924.

As in 1923 but with the following alterations:—

- I. No viva voce examination in English.
- II. Ordinary Course in Mathematics, Chemistry, Physics Botany, Zoology, Minerology, to be as in 1923 and an extra paper of an advanced character for the Honours course.
- III. Courses in Geology, Psychology, Industrial Chemistry, General and Chemical Engineering to be as follows:—

Geology.

Two papers, each of three hours' duration. Also a practical examination.

Paper I—

Dynamical, Structural and Historical Geology.

Paper II.—

Crystallography, Mineralogy, Petrology, Palæontology, Economic Geology.

Syllabus prescribed:

DYNAMICAL AND STRUCTURAL GEOLOGY.

The aims, methods, and applications of Geology.

Disintegration of the earth-crust by rain, wind, heat and cold, frost, underground water, water, rivers, glaciers, and the sea.

Transportation by gravity, rivers, glaciers, and wind.

Deposition of the detritus. Terrestrial, fluvial, lacustrine, and marine deposits.

Volcanoes—form and structure, eruption and its products, causes of volcanic action.

Earthquakes—Nature and origin, the phenomenon and its effects. Connection with volcanoes.

Elevation and depression of land.

Evolution of surface-features by terrestrial agencies and river-erosion. Formation of valley-systems. The effects of glaciation and wind-action on topography.

Joints, bedding and lamination. Faults and folding. Contour maps. Outcrops of simple structures on contour-maps. Map reading and the construction of sections.

HISTORICAL GEOLOGY,

Principles of stratigraphy. Sub-divisions of the geological record into groups, systems and series. The leading features and characteristic fossils of these subdivisions. Important physical features of India. The rock-formations of India and Burma treated in a concise manner.

CRYSTALLOGRAPHY AND PHYSICAL PROPERTIES OF MINERALS.

Crystallographic laws. The six systems of crystallography. Important groups of symmetry. Weiss and Miller systems of notation. The Contact Goniometer.

Twinning.

Density, hardness, and other physical properties of minerals. The petrological microscope.

Optical characters of minerals in the microscope under ordinary and polarized light.

MINERALOGY.

Study of about 40 of the important rock-forming minerals, with regard to their chemical composition, chemical alterations,

crystallography, physical properties, microscopic characters, occurrence, and commercial uses, if any.

Study of the important ore-forming minerals, and others of economic importance with regard to their chemical composition, physical properties used in recognition, blowpipe tests, occurrence, and economic uses.

PETROLOGY.

Igneous rocks—morphology, texture, and classification. Megascopic and microscopic characters of important rocktypes and their mode of origin.

Sedimentary rocks—arenaceous, argillaceous, calcareous, and pyroclastic rocks.

Metamorphic rocks—thermal and dynamic metamorphism. Important types.

PALAEONTOLOGY.

Methods of preservation of fossils. The value of fossils as indices of age and climate. The detailed study of one or two type-specimens from the following fossil groups:—

Coelenterata, Echinoderma, Trilobita, Brachiopoda, Lamellibranchia, Gasteropoda, Cephalopoda, Vertebrata, and fossil plants.

ECONOMIC GEOLOGY.

Forms and origin of ore-deposits. Magmatic, pneumatolytic, hydrotogenic, metasomatic, metamorphic and detrital deposits. The chief metallic ores and non-metallic minerals of economic importance found in India. Coal and petroleum; water and building stones.

General principles of prospecting and development. Economic considerations, on which the value of an ore-deposit depends.

PRACTICAL WORK.

Determination of density, hardness and fusibility of minerals.

Reading and making drawings of crystals of common minerals.

Examination of important rock-forming minerals in hand specimens and under the microscope.

Microscopic and megascopic examination of a representative collection of rock-types and sections.

The study and drawing of specimens from a representative collection of fossils.

Blowpipe tests and hand-recognition of economic minerals
Easy exercises on the outcrop of beds. Reading geological maps and drawing sections across simple geological structures.

TEXT BOOKS:—

“Introduction to Geology” by W. B. Scott; (Mac-Millan) 1920.

“Manual of Mineralogy” by Dana and Ford (John Wiley) 1912.

“Minerals and the Microscope” by H. G. Smith Thomas Murby 1919.

“Handbook of Rocks” by J. F. Kemp (Van Nostrand) 1921 (Selected portions only).

“Outlines of Field Geology” by A. Geikie (Mac Millan) 1912.

“Geology of Ore-deposits” by Thomas & Mac Alister (Edward Arnold) 1920.

Honours Course

Special paper—subject “Geology of India”

Psychology.

(Course to be prescribed later).

Industrial Chemistry.

- (a) A knowledge of the principal manufacturing processes such as filtration, sublimation, distillation, crystallisation, evaporation, disintegration calcination, etc.

List of appliances to be provided for demonstrating the above-mentioned processes:—

- (1) Filter Pumps and Filter Presses,
 - (2) Centrifugals,
 - (3) Stills for steam distillation.
 - (4) Autoclaves to record a pressure of not less than 90 lbs.
 - (5) Disintegrations of Sieves,
 - (6) Ball-mill,
 - (7) Rolling-mill,
 - (8) Reverberatory Furnace,
 - (9) Muffle-furnace,
 - (10) Down-draft Kiln,
 - (11) Glass Furnace,
 - (12) Blower to be run by a motor,
 - (13) Drums,
 - (14) Vats,
 - (15) Super-heated steam.
- (b) Application of the pure Chemistry course to include a theoretical knowledge of the raw materials used, their nature and sources and the methods of manufacture of the following:—

- (1) Ceramics (i. e., glass, pottery, porcelain, enamels and enamelling) and Cement.
- (2) Oils, soaps and candles; paints and varnishes,
- (3) Leather tanning and bye-products; Inks,
- (4) Sugars, Starches, Paper, Milk-products;
- (5) Matches, Pencils and Crayons;
- (6) Wood and Coal distillations; Industrial alcohol:
- (7) Electro-plating. Electrolytic and Electric furnace products:
- (8) Important mineral acids and heavy chemicals,
- (9) Dyeing and bleaching.

N. B.—A general theoretical knowledge would be given in the classes and wherever possible, demonstration tours would be arranged to visit Factories to see the actual working conditions.

- (c) A detailed study of one of the Industries under clause (b) covering the whole ground of the nature of the raw materials employed, the equipment and machinery required and a statement of the cost of production and sale prices and the probable market.

Two papers and a practical examination.

General and Chemical Engineering

Three papers.

(1) MECHANICAL DRAWING AND APPLIED MECHANICS.

(a) Mechanical Drawing:—

An elementary course of lectures and drafting room exercises in simple machine parts, such as fastenings, bearings, engine details, etc.

Use of drawing instruments and material.

Construction of Scales.

Simple Projection.

Construction and representation of screw.

Rivets. bolts, studs, nuts, and set screws. Keys and key ways, feathers. Flange, and muff couplings. Design of a cast iron flange for a shaft. Design of the flange, cover, and studs for a small steam engine cylinder. Design for at least one type of stuffing box.

Design of simple rivetted lap and butt joints:—(a) for a tie bar (b) for a boiler.

Design of a simple bearing for a shaft.

Designs of pulleys, gearing, clutches, cams, and other machine elements used in the transmission of power. Pipes and pipe joints. Engine details—a study of a few additional mechanisms selected from those ordinarily used in the Chemical Industry from a descriptive standpoint, and analysis of their motions.

As large a number of examples as possible to be worked out and drawn to scale. The dimensions to be always calculated wherever possible and not merely copied.

Strength and nature of material used in machine construction.

Tracing and blue printing,

(b) *Applied Mechanics*:—

Forces—Resultant and Component Forces. Centre of Gravity. Moments of Forces. Practical applications of Forces and Moments. Bow's Notation applied to simple framed structures.

Work—The principle of work and its application to machines; friction and efficiency, Friction and lubrication. Joule's equivalent. The inclined plane and screw.

Power—Engines, pumps, brakes and electric motors. Transmission of motion and power by belts and spur gearing.

Materials—The elastic law. Tension. Compression and Shearing, Bending and Twisting Working Stress. Factor of Safety.

Motion—Speed, Velocity, Acceleration, Momentum, Inertia and Force.

Energy—Mechanical, thermal and electrical energy and their relations.

Hydraulics—Press, Jack and Accumulator, Reciprocating pumps. Suction and delivery.

Text-Book:—

Elementary Applied Mechanics by Morley and Inchley,
EXPERIMENTAL WORK.

The laboratory work as far as possible to run parallel with the lecture courses and a number of experiments arranged to illustrate the principles dealt with in the lectures.

(2) HEAT ENGINES AND POWER ENGINEERING.

(a) *Heat Engines*:—

A general course dealing with the construction, operation and use of steam engines and boilers. The laboratory work should consist of tests of the simpler types.

(b) *Power Engineering*:—

Power production and its special application to the varied industries; the sources of power; the economic use of various fuels; production of power by the steam engine, the steam turbine, the internal combustion engine and the water turbine. Study of special and typical plants, both as to

design, construction and economic operation. In the laboratory, tests to be made of the various types of prime movers, to determine their economic performance. Standard methods of reporting tests.

(3) SURVEYING AND PLOTTING.

Scales and systems and measurement connected with Surveying,

Conventional signs used when plotting. Areas, prisms, prismoids, and pyramids. Applications of Geometry and Trigonometry.

Enlarging and reducing maps. Plotting from field notes.

Plotting traverse by protractors. chords and rectangular co-ordinates.

The chain and methods of carrying out chain survey.

Ranging rods, offsets. cross-staff and optical square.

Prismatic compass. The plane table.

Levelling, use and adjustment of the Y-level, the Dumpy level and at least one other form of Spirit level.

Flying levels, Bench marks, check levelling, keeping the level-book.

Reduction and check of level-readings.

The Theodolite, its use in measuring angles, in azimuth and altitude. Open or closed transverse and railway curves.

(4) BUILDING AND BUILDING MATERIALS.

Timber.—Characteristic properties and means of preservation of timber used in construction. Defects in timber and characteristics of good timber.

Wood Work.—Joints used in wood work, Paints and Varnishes.

Bricks.—Characteristics of good bricks. Standard size of bricks.

Brick Work—Bonds, English bonds, Damp-proof courses, cornices.

Stone-work.—Joints. Varieties of walling.

Limes, cements, mortars.—Different kinds of sand mortar, lime and cement, preparation and mixing of mortars. strength of mortar, precautions in using.

Concrete.—The matrix, the aggregate, the proportion of ingredients, mixing and laying, use of concrete, re-inforced concrete.

Building.—Selection of site, foundations, preparation of foundation bed. Benching out breadth and form of foundation. Earth filling. Plinth. Thickness of wall.

Openings and arches in wall. Fixing doors and window frame.

Floors.—Bricks on edge, stone, patent-stone terrace.

Roofs.—Trusses of wood and iron. Coverings. Terrace roofs.

Drawing.—Of a simple building from measurement.

(5) ELECTRICAL ENGINEERING.

Explanation of terms.—Lines of force, Unit pole, magnetic field and magnetic moment, circuit, generator, switch, ampere, ohm, volt, E. M. F. and P. D., Watt, Joule, series circuit, parallel circuit.

Heating, chemical and magnetic effects of current, Joule's law, Ohm's law.

Dynamo Electric Machines.—Physical principles and essential parts of both generators and motors.

Management of Electrical Machinery:—Installation of generators. Electrical connections and operations of electrical motors. Elementary principles of alternate current machines. Running dynamos and alternators in series and in parallel.

Elements of Secondary Battery Engineering:—Setting up a secondary battery, Management of secondary battery, its care and daily attendance.

Elements of Electric lighting and power supply:—Including selection of the proper size of wires for a given number of lamps or of motors, testing and wiring electric fitting, fuses and safety devices, wiring rules and regulation, private installation work.

Description of galvanometers, ammeters, voltmeters and wattmeters.

Testing and Locating troubles in Electrical Machines and in the line.

M. Sc. Examination 1924:

Mathematics.

(Same as for the M. A. Examination)

Chemistry.

The subject of examination:—

- (1) Inorganic Chemistry.
- (2) Organic Chemistry.
- (3) Physical Chemistry.

The Historical aspect to be emphasised in all the three subjects. The Examination to consist of two parts, the practical

and practical, in each of which the candidates to pass separately.

(THEORETICAL)

Four papers. Each paper of three hours' duration.

Paper I. Inorganic Chemistry.

Paper II. Organic Chemistry.

Paper III. Physical Chemistry.

Paper IV. A special paper on any of the branches of the above subjects, chosen by the Board of Studies in Chemistry from time to time.

Subjects recommended :—

1. Inorganic.

(a) Rare earths.

(b) Chemistry of Per Acids and Per salts.

(c) Formation of Nitrogen.

2. Organic.

(a) Carbohydrates.

(b) Alkaloids.

(c) Organic Dye-stuffs.

3. Physical Chemistry.

(a) Colloids.

(b) Absorption.

(c) Radio-Activity.

Candidates expected to be acquainted with the more important recent work in connection with the subject-matter of Paper IV.

(PRACTICAL)

Corresponding to the subject-matters of each of the papers there to be a practical examination carrying a total of 400 marks.

(PROVISION FOR RESEARCH)

A candidate wishing to specialise by research could do so by substituting for paper IV and the corresponding practical paper a thesis embodying the results of an original investigation carried out by him in the B. H. U. Laboratories. Such a candidate was to seek the permission of the Syndicate at least six months before the commencement of the examination. Required to present himself for a viva voce on the subject-matter of his thesis before the examiners at the time of the practical examination.

Books recommended for study:—

Paper I—

COHEN: Organic Chemistry for Advanced Students
Volumes I, II and III.

BERNTHSEN: Organic Chemistry.

POPE: [#]Modern Research in Organic Chemistry.

STEWART: Recent Advances in Organic Chemistry.

Paper II—

MELLOR: Modern Inorganic Chemistry.

STEWART: Recent Advances in Physical and Inorganic
Chemistry,

ROSCOE AND SCHARLEMEN: Treatises in Chemistry
Volumes I and II (for reference).

NEWTON FRIEND: Theory of Valency.

Paper III—

LEWIS: System of Physical Chemistry Volumes I & II.

STEWART: Recent Advances in Physical and Inorganic Chemistry.

NERNST: Theoretical Chemistry.

EMIL HUTSCHILL: Colloids.

Paper IV—

Journals and Annual Report of the Progress of Chemistry.

LIST OF PRACTICAL EXPERIMENTS.

PHYSICAL CHEMISTRY.

4. Partition Co-efficients.
2. Surface tension. Comparative and absolute.
 - (a) Capillary rise method.
 - (b) Maximum pull method.
 - (c) Drop pipette method.
3. Viscosity of liquids.

„ „ of solutions and mixtures.
4. Comparison of E. M. F. of Cells.

Determination of absolute E. M. F.
5. Internal resistance of a cell.
6. Conductivity of solutions.
7. Ionic Mobility.
8. Order of reactions.
9. Refractive indices of liquids.
10. Verification of the Law of Mass Action.
11. Relation between constitution and refractive indices.
12. Identification of the more important elements by spectroscopy.

13. Preparation and purification of Colloids
14. Experiments on Colloids:—
 - (a) Sign of charge on the particles
 - (b) Determination of rate of coagulation
15. Specific heats of solutions
16. Strength of Acids
17. Ionisation of gases
18. Transition point
19. Determination of molecular weights by Cryoscopic and Ebulliscopic methods
20. Determination of solubilities
21. Vapour pressure of saturated solutions
22. Heat of Formation
23. Heat of Neutralization
24. Heat of Combustion
25. Verification of Stokes Law

(PRACTICAL WORK)

(1) Inorganic

A. Qualitative

- (i) Complex inorganic qualitative analysis containing five or six metallic radicals
- (ii) Individual tests and reactions of the following rare elements:—
Titanium, Tungsten, Molybdenum, Uranium
Rubidium. Caesium, Thorium. Cerium,
Platinum

B. Volumetric estimation of—

- (i) Iron in an iron ore
- (ii) Silver and copper in a silver coin
- (iii) Manganese dioxide in pyrolusite
- (iv) Antimony in tartar emili
- (v) Uranium in uranium salt.

C. Gravimetric Analysis:

- (i) Dolomite, iron pyrites, galena, barytes, chrome iron ore.
- (ii) Complete analysis of glass, type metal, brass, nickel coin.
- (iii) Estimation of titanium in Ilmenite Thorium and cerium in a gas mantle, Tungston in wolfram.

11 Organic

A. (1) Detection of simple organic substances

- (2) Separation and identification of the constituents of a mixture containing two ingredients, the separation not involving complicated methods.
- (3) Preparation of some typical organic compounds such as Brom. acetic acid, brom benzene-Bnaphthol-anthra qinone-alizarine-methylorange malachite greenzincethyl-ethyl acetate-quinine from cinchona bark.

B. Organic Analysis

- (1) Estimation of CHN and Cl in organic compounds
- (2) Estimation of Methoxy, hydroxy and carboxylic group in organic compounds

- (3) Estimation of sucrose in sample of sugar.
- (4) Analysis of one of the following: Soap, oil, milk, and,
- (5) Determination of the molecular weights of organic acids and bases by chemical methods.

C. Gas Analysis.

Some simple experiments in gas analysis.

Physics.

Every candidate required to pass a Theoretical and a Practical Examination.

The Theoretical Examination to consist of four papers each of three hours' duration and each carrying 100 marks. The subjects to be as mentioned below. The first 3 papers to be divided into sections as shown.

- | | | |
|------------|---|---|
| Paper I. | { | (i) Applied Electricity and Electron Theory. |
| | { | (ii) General Theory of Electricity. |
| Paper II. | { | (i) Physical Optics and Electromagnetic Theory of Light. |
| | { | (ii) Geometrical Optics and optical instruments and measurements. |
| Paper III. | { | (i) General Principles of Thermodynamics and Kinetic Theory. |
| | { | (ii) General Properties of Matter. |
| Paper IV. | { | On a special subject to be selected from the list given below. |

List of special subjects.

- (1) Applied Electricity.
- (2) Electron Theory with applications.
- (3) Spectroscopy.
- (4) Thermodynamics including Thermodynamics of Heat Engines.

- (5) Acoustics.
- (6) Strength of materials and Elasticity.
- (7) Any other subject which the Board of Studies in Physics might recommend from time to time and which was approved by the Faculty of Science.

NOTE.—In every special subject offered by a candidate there was to be a special advanced course of not less than 25 lectures with facilities for Practical Work.

The Practical Examination to last for a period of at least 4 days and to include a Viva Voce Examination. The examination to consist of 4 parts each corresponding to the subjects of each of the Theoretical Papers.

Candidates at the end of a year's work to apply to the Syndicate to take up Research and substitute a Research Thesis in place of either the II or the III Theoretical paper and in the Practical examination in any two groups of subjects.

Candidates to pass separately in the aggregates of the Theoretical as well as the Practical Examinations.

Candidates expected to attend a course of preparatory lectures in Pure and Applied Mathematics to enable them to follow intelligently the lectures in Theoretical Physics.

Zoology.

The Structure, Habits, Development, Distribution in Time and Space, and Classification of the following groups:—

Protozoa, Porifera, Cœlenterata, Platyhelminia, Nematoda, Nematelminia, Rotifera, Molluscoida,

Echinodermata, Annelida, Arthropoda, Mollusca, Hemichordata, Urochordata, Cephalochordata, and Vertebrata.

2. The cell together with the leading structural modifications and functional relationships of its constituent parts.
3. Evidences bearing upon the Hypothesis of Evolution, General Theories of Variation, Adaptation, Heredity, Sex and Origin of Species.
4. A detailed practical study of the Embryology of Chick.
5. A detailed knowledge of a group (mentioned below) studied from a practical stand-point.

Or

A dissertation on some special subject or branch of Zoology.

The candidate to exhibit a knowledge of recent work on the subject chosen, and to include an account of practical work performed by him, which might be original or otherwise. At the time of the examination the candidate to submit a thesis, a series of preparations, or other evidence of his work.

Special Group selected:—

Insects with special reference to Economic Types.

Five papers each of three hours' duration. Also a practical examination.

Paper I Invertebrata excluding Insects.

Paper II Chordata.

Paper III Special Group selected or a Dissertation.

Paper IV General & Theoretical.

Paper V Embryology, Palaeontology & Zoo-Geography.

In the Practical Examination the candidates to be expected to show a practical knowledge of the methods of

anatomical and histological research and also required to submit their original Note Books of the work done by them before the commencement of the Practical Examination.

Text-Books recommended for consultation:—

PARKER AND HASWELL: Text-Book of Zoology.

SEDGWICK: Students' Text book of Zoology.

The Cambridge Natural History.

LANKESTER: Treatise on Zoology.

WEISMANN: The Evolution Theory.

LULL: Organic Evolution.

CASTLE & COULTER: Heredity and Eugenics.

THOMSON: Heredity.

PUNNETT: Mendelism.

DONCASTER: Determination of Sex.

MORGAN: Experimental Zoology.

WILSON: The Cell.

DONCASTER: Cytology.

KEILICOLT: Text Book of General Embryology.

ZITTELL: Text Book of Palæontology.

LYDEKKER OR WALLACE: Geographical Distribution.

Mineralogy:

(Course to be prescribed later on)

Geology.

Six papers each of three hours' duration. Also a practical examination.

Paper I—Crystallography; Mineralogy and Petrology.

Paper II—Physiography and Dynamical Geology.

Paper III—Structural Geology, Topographic Surveying and Palæontology.

Paper IV—Stratigraphical and Indian Geology.

Paper V—Economic Geology Part I.

Paper VI—Economic Geology Part II.

Practical Examination in Crystallography, Mineralogy Palæontology, Petrology, Topographic Surveying and construction and interpretation of maps and sections.

Note.—The record of the practical work done in the laboratory and in the field taken into consideration in assigning marks in the practical examination.

SYLLABUS PRESCRIBED:—

Crystallography.

The principal groups of symmetry. Crystal structure. The Reflecting Goniometer. The measurement of simple crystals and the calculation of their crystallographic elements.

Mineralogy.

The principles involved in the identification of minerals by their geometrical and optical properties: the application of these principles to the use of petrological microscope. A systematic description of the minerals met with as constituents of rocks, their crystalline form and physical properties, chemical composition and alteration products, modes of occurrence and origin. The practical study of a representative series of such minerals in hand specimens and under the microscope.

Petrology.

Igneous Rocks; methods of examination of thin sections and separations by chemical and optical means; deter-

mination and expression of mineral composition; recognition and classification of rock types; the physical and chemical characters of magmas; rock structures; mechanics of intrusion. Sedimentary rocks. Thermal and dynamic metamorphism. The practical study of a selected series of rocks and sections in hand specimens and under the microscope; chemical analysis of rocks and their interpretation.

Physiography and Dynamical Geology.

The theories of the earth. The probable condition of the earth's interior. Radio-activity.

Earthquakes and sea-quakes. Block movements. Earthquake zones.

Volcanoes—Active and extinct volcanoes; volcanic belts; types of volcanic mountains; mechanics of crater explosions; notable eruptions.

Denudation, transportation and sedimentation.

Rivers—their life histories. The river valley cycle.

The waves and breakers, shore-current, shore-lines, coast records of rise or fall of land.

Glaciers and glaciation, The glacial periods.

Lakes—Their types, situation and origin. Relationship to geological processes.

Mountains—Their origin and form. Instability of the earth's crust.

The atmosphere—Its composition, temperature, pressure, moisture and movements. Meteorological instruments; weather and climate, reading and interpretation of weather maps and reports. Forecasting of weather.

Structural Geology.

Rock-structures. Faulting and folding. Stratum contours and convergence diagram.

The methods of making and interpreting geological maps and sections. The actual geological mapping of a selected area in the field.

Topographic Surveying,

introductory sketch of the various methods of surveying, levelling and field-sketching. Scales of maps and their influence on surveying methods.

Instruments—compasses, clinometers, plane tables, tachometers, theodolites, cameras, levels, barometers, hypsometric thermometers, etc. Route Surveys. Determinations of azimuth and latitude. Local topographic surveys—determining position on existing map and filling in details in the vicinity. Levelling and contouring. Tracing the probable run of outcrops of beds, veins etc. Setting out boundaries, roads, water races, etc.

Office work.—Reduction of results and plotting. A course of field-work corresponding to the above.

Palæontology.

The important genera from the chief groups of fossil invertebrata.

Stratigraphical Geology.

The advanced study of the rock-formations of India and a general study of their foreign representatives.

Economic Geology.

The practical study of the metallic and non-metallic minerals of economic value. Their occurrence and commercial uses. The processes of ore-genesis. Secondary enrichment. The ore deposits of India, and the more important ore deposits of the world.

Coal—its origin, distribution, classification and commercial uses. The coal-fields of India.

Petroleum—Its origin and mode of occurrence. The oil-fields of India and Burma. The principal oil-fields of the world. Natural gas and oil shales.

Geology in its connection with Engineering. Problems of water supply, lines of transport, quarrying, building materials, soils and subsoils. Mineral statistics. Methods of prospecting. General economic considerations as regards the value of an ore-deposit. The common methods of mining, the dressing of ores, and their metallurgical treatment.

PRACTICAL WORK.

The measurement of simple crystals by means of the reflecting goniometer, and the calculation of the crystallographic elements.

The study of the rock-forming minerals in hand specimens and under the microscope. Preparation of rock slides, separation of minerals by the electromagnet and the diffusion column, Separation of sand, mud, and silt by means of the elutriator. Examination of heavy residues from sands.

The study of a representative series of rocks and sections in hand specimens and under the microscope. Chemical analysis of a few rocks in the laboratory.

The preparation and interpretation of geological maps and sections. The geological mapping of a selected area in the field.

The study of the important genera of the fossil invertebrata.

The recognition in hand specimens and by blow-pipe tests of the metallic and non-metallic minerals of economic importance. Visits to mineralized areas in India and Burma.

A course of field work in topographic surveying.
Reduction of results and plotting.

Books recommended:—

1. "Text-Book of Geology" Vols. I & II—by A. Geikie (MacMillan)
2. "Structural and Field Geology"—by J. Geikie (Gurney and Jackson) 1920
3. "Text-Book of Mineralogy"—by Dana Chapman & Hall) 1916.
4. "Handbook of Rocks"—by Kemp (Van Nostrand Co.) 1921.
5. "The Natural History of Igneous Rocks"—by A. Harker
6. "Petrology for Students"—by A. Harker, (Cambridge Uni. Press) 1919,
7. "Data of Geo-chemistry"—by F. W. Clark.
8. "Petrographic Methods"—by Weinschenk and Clark (Hill Pub. Co.) 1912.
9. "Palæontology"—by Woods (Cambridge Uni. Press) 1919.
10. "Introduction to Palæontology"—by Davies (Thomas Murby) 1920.
11. "Geology of India—by D. N. Wadia (MacMillan) 1919.
12. "The Publications of the Geological Survey of India"—on the subjects prescribed in the course.
13. "The Geology of Ore-deposits"—by Thomas and Mac Alister (Edward Arnold) 1920.
14. "Economic Geology"—by H. Ries (John Wiley) 1916.
15. "Practical Surveying"—by G. W. Usil (Crosby Lockwood) 1916.

Botany.

Six papers, as mentioned below and a practical examination.

Paper I.—

Algæ, Fungi and Bryophyta

Paper II.—

Pteridophyta and Gymnosperms

Paper III.—

Angiosperms and Plant Geography

Paper IV.—

Physiology and General Ecology

Paper V.—

Evolution, Variation and Heredity

Paper VI.—

Thesis, either embodying results of original observations and conclusions based on these or a critical review of the existing literature on a practical branch of the subject.

The following books are suggested:—

STRASBURGER: Text-book of Botany.

SCHIMPER: Plant Geography.

COULTER AND CHAMBERLAIN: Gymnosperms.

WILLIS: Flowering Plants and Ferns.

LOCK: Heredity, Variation and Evolution.

JOST: Lectures on Plant Physiology.

DARWIN AND ACTON: Practical Physiology of Plants.

CAMPBELL: Mosses and Ferns.

WEST: Algæ.

BUTLER: Fungi and Diseases in Plants.

SCOTT: Studies in Fossil Botany.

R. C. PUNNET: Mendelism.

W. BATESON: Mendel's Principles of Heredity.

DETMAR AND MOORE: Practical Plant Physiology.

F. O. BOWER: Origin of a Land Flora.

G. MASREE; Text-book of Fungi.

A. B. RENDLE: The Classification of Flowering Plants
Vol I.

F. WORNHAM: Floral Evolution with special reference
to the Sympetalous Dicotyledons.

ONSLow: Practical Bio-chemistry.

HAAS AND HILL: Chemistry of the Plant Products.

The Previous Examination in Samskrit 1924.

(Same as in 1923.)

The Examination for the degree of Licentiate of Teaching 1924.

(Same as in 1923.)

प्राच्य-विद्या विभाग

प्रवेशिका परीक्षा १९२४

सन् १९२३ के अनुसार—निम्नलिखित परिवर्तन सहित—

(१) तामिल भाषा के निम्नलिखित पाठ्य जोड़िये—

पद्य—कम्बराभयणम् पाशप्पटलम् ।

गद्य—बुद्धचरितम् महामहोपाध्याय पं० स्वामिनाथ ऐयरकृत—

(२) हिन्दी के पाठ्य निम्नलिखित—

हिन्दी

एक प्रश्नपत्र—निबन्धरचना अथवा पत्र लेख और संस्कृत से हिन्दी में तथा हिन्दी से संस्कृत में अनुवाद निबन्ध पाठ्यपुस्तकों के आधार पर ।

पाठ्यपुस्तक—

(१) सत्य हरिश्चन्द्र (भारतेन्दु हरिश्चन्द्र रचित)

(२) प्रवेशिका पद्यावली भाग १

मध्यमा परीक्षा १९२४

सन् १९२३ के अनुसार—निम्नलिखित परिवर्तन सहित—

(१) हिन्दी के पाठ्य निम्न लिखित—

हिन्दी

एकप्रश्नपत्र—निबन्धरचना और संस्कृत से हिन्दी में तथा हिन्दी से संस्कृत में अनुवाद । निबन्ध-संख्या में दो, एक साधारण विषय पर और दूसरा पुस्तकों के आधार पर । साहित्य या व्याकरण सम्बन्धी प्रश्न नहीं ।

पाठ्यपुस्तक—

(१) हिन्दी निबन्धमाला भाग १

(२) सचित्र संचित्त गमायण ।

(२) धर्मशास्त्र के पाठ्यों में मीमांसाकुतूहल वृत्ति अध्याय १, २, ३, के स्थान में अध्याय १-२ लिखिये—

- (३) न्याय वैशेषिक के पाठ्यों में “तार्किकरत्ना” के स्थान में न्याय मुक्तावली अथवा “तर्कभाषा” लिखिये—

शास्त्रीपरीक्षा १९२४।

सन् १९२३ के अनुसार—निम्नलिखित परिवर्तन सहित—

- (१) हिन्दी के पाठ्य निम्नलिखित—

हिन्दी

एकप्रश्नपत्र—निबन्धरचना और संस्कृत से हिन्दी तथा हिन्दी से संस्कृत में अनुवाद। निबन्ध संख्या में दो एक साधारण विषय पर और दूसरा पुस्तकों के आधार पर। साहित्य या व्याकरण सम्बन्धी प्रश्न नहीं—

पाठ्य पुस्तक—

१. हिन्दी निबन्धमाला भाग २
२. भूषणग्रन्थावली नागरी-प्रचारिणी सभा द्वारा प्रकाशित।

- (२) मीमांसा के पाठ्यों में “श्लोकवार्त्तिक” अभाव प्रामाण्यवाद के अन्त तक रखिये।
- (३) न्याय वैशेषिक के पाठ्यों में “प्रामाण्यवाद गादाधरी” के स्थान में “सव्यभिचार गादाधरी” लिखिये—

शास्त्राचार्य परीक्षा १९२४.

- १—शास्त्रिपरीक्षोत्तीर्णशुद्धात्रोऽवर्षद्वयानन्तरं शास्त्राचार्यपरीक्षाप्रवेशार्हो भविष्यति।
- २—वर्षद्वयं यावत् तेन शास्त्रोपरीक्षाशास्त्राणां (इंग्लिशभाषावर्जम्) अन्यतमे शास्त्र सम्यगव्यवसायो विश्वविद्यालये कृत इत्येतदर्थ-बोधकं प्रमाणमपेक्षितमभविष्यति।
- ३—प्राच्यविद्याविभागसमित्या निर्णीते कस्मिंश्चिच्छास्त्रीये विषये तेन स्वतंत्रकल्पनाशक्तिसूचकः प्रबन्धो लेख्यः। अयमप्रबन्धः प्राच्य-विद्याविभागसमित्या निर्दिष्टेन परीक्षकत्रयेण परीक्षिष्यते।
- ४—स्वप्रबन्धविषये तत्सम्बन्धविषयान्तरे च परीक्षकेच्छानुसारेण लेखपरीक्षा वाक्परीक्षोभयपरीक्षा वा भविष्यति।

५—परीक्षकसमितिः प्रबन्धम्परीक्षापत्राणि च निरीक्ष्य छात्रस्य योग्यताविषये स्वमतनिर्णयं करिष्यति ।

६—योग्यतापत्रानाञ्छात्राणां प्रबन्धा मुद्रयिष्यन्ते ।

इस परीक्षा के प्रत्येक विषय में तीन प्रश्नपत्र होंगे जिनमें से प्रत्येक के पूर्णाङ्क १०० होंगे । प्रत्येक परीक्षार्थी को एक निबन्ध लिखना होगा जिसके पूर्णाङ्क २०० होंगे और जिसका विषय प्रति वर्ष नियत किया जायगा । एक मौखिक परीक्षा भी होगी जिसमें १०० होंगे ।

साहित्य—

प्रश्नपत्र नं० १—रसगङ्गाधर

प्रश्नपत्र नं० २—ध्वन्यालोक

प्रश्नपत्र नं० ३—व्यक्तिविवेक

व्याकरण—

प्रश्नपत्र नं० १ } महाभाष्य सम्पूर्ण
प्रश्नपत्र नं० २ }

प्रश्नपत्र नं० ३—व्युत्पत्तिवाद द्वितीयान्त

मीमांसा—

प्रश्नपत्र नं० १—भाट्टरहस्य—खण्डदेवकृत

भाट्टचिन्तामणि—गागा-भट्टकृत

तर्कपाद

प्रश्नपत्र नं० २—न्ववार्तिक (द्वितीय अध्याय)

प्रश्नपत्र नं० ३—विधिरसायन अप्पयदीक्षित-कृत
विध्याक्षेप समाप्तिपर्यन्त)

धर्मशास्त्र—

प्रश्नपत्र नं० १—पराशर-माधव-व्यवहाराध्याय

प्रश्नपत्र नं० २—अष्टादशस्मृति

स्मृतिचन्द्रिका

प्रश्नपत्र नं० ३—वीरमित्रोदय
परिभाषा-प्रकाश

ज्यौतिष—

प्रश्नपत्र नं० १—चलन-कलन

प्रश्नपत्र नं० २—दीर्घवृत्त

भूगोल

प्रश्नपत्र नं० ३—शुद्धोन्नति

सांख्ययोग—

प्रश्नपत्र नं० १—योगवासिष्ठ-उत्पत्ति-प्रकरण
बृहदारण्यक भाष्य सत्कार्यवाद विचार

प्रश्नपत्र नं० २—श्वेताश्वतरोपनिषद् सभाष्या
मनुसंहिता प्रथम अध्याय
विष्णुपुराण प्रथमांश

प्रश्नपत्र नं० ३—महाभारत मोक्ष धर्म

B. Sc. Examination (Engineering) 1924.

(Same as in 1923)

B. Sc. Examination (Mining and Metallurgy)

MINING AND METALLURGY.

(First Year)

Intermediate Examination in Mining and Metallurgy, Part I.

THE SYLLABUS.

Mathematics.

Abridged arithmetic: approximations to a specified degree of

accuracy; percentages; indices; logarithms; use of logarithmic tables; the slide-rule.

Principal ordinary rules of algebra; the factorisation of simple expressions, and common factors; simple equations in one or more unknown quantities; quadratic equations in one unknown quantity; theory of indices and logarithms; arithmetical and geometrical progressions; binomial theorem for integral indices, with numerical calculations and approximations.

Elements of plane trigonometry; simple formulæ connecting the trigonometrical ratios of two or more angles; solution of plane triangles, with use of four-figure logarithmic tables; calculation of heights and distances.

Mensuration of plane rectilineal figures and of the circle; the elementary properties of the plane, including those of the angles made by planes with straight lines and with one another; the elementary properties of the sphere and plane sections thereof; mensuration of simple solid figures, including the cylinder, cone and sphere; areas of irregular curved figures; calculation of earthwork volumes.

Introduction to co-ordinate geometry; meaning of equations, the straight line and simple properties of conics; use of squared paper; graphs of single rational functions; finding empirical formulæ from tabulated observations.

Elementary notions concerning the differential and integral calculus; differentiation and integration of simple functions; slope of a curve at a point; area of a curve; rate of change; simple applications.

Books Recommended

"Mathematics for Engineers, Part I. by W. N. Rose, Second Edition, 1920 (Chapman), 10/6d.

"Mathematical and Physical Tables," by J. B. Clark, Eighth Edition, 1920 (Oliver & Boyd, London). 9d.

Applied Mechanics.

Workshop and laboratory methods of measurement.

Force and its measurements. The parallelogram of vectors and its consequences in elementary statics and dynamics. Composition and resolution of forces. Moment of a force and its meaning. Parallel forces. Couples. Equilibrium of forces in one plane. Practical applications of the principle of moments. The steel-yard; the lever safety valve. Centre of gravity.

Simple frames. Jib cranes, roof trusses and braced girders. Stress diagrams.

Work. Impossibility of perpetual motion. Work done in rotation, in lifting, and in straining springs. Effect of friction. Use of squared paper. Law of friction in machines. Loss of energy due to friction. Laws of friction between solids, and between solids and fluids. Angle of friction. critical slope, and angle of repose. Friction at journals. Roller bearings. Mechanical advantage. Rate of doing work. Horse-power. Efficiency of a machine.

Simple machines. Velocity ratio. Blocks and tackle; inclined plane; screw; differential pulley block; law of moments; the lever; hydraulic pressing and lifting machinery: worm and worm wheel. Efficiency. The linear law.

Power and its measurement. Mechanical efficiency. Cylinder volumes and power. Brake horse-power and its measurement. Dynamometers. Electrical power and its measurement. Relation between mechanical horse-power and electrical horse-power. Board of Trade unit.

Transmission of motion and power. Belt-driving. Strength of belts; how belts transmit power. Friction between belts and pulleys. Ropes and chains. Toothed wheels. Velocity ratio. Wheel-trains. Rack and pinion.

Extension and compression. Elastic stretching, compressing and bending. Helical spring. Twisting. The elastic law. Strength and stiffness of materials. Stress and strain, and their measurement. Tensile stress and strain. Compressive stress and strain. Permanent set Modulus of elasticity. Strengths of pipes and of boilers of various shapes. Shearing. Riveted joints.

Bending. Bending stresses. Bending moments and shearing forces in simple cases and their graphical representation. Strength modulus of a section. Braced girders. Stiffness and deflection of beams. Modulus of rupture.

Torsion. Torsional stiffness and angle of twist. Motion Velocity and acceleration. Changes of velocity. Relative velocity. Momentum, inertia and force. Change of momentum. Force and acceleration. Impulsive forces; effect of a blow. Momentum after collision.

Energy. Relation between heat and mechanical work. Heat energy in fuels. Relation between electrical and mechanical energy. Potential and kinetic energy. Energy stored up in fly-wheels. The function of a fly-wheel.

Circular motions and simple vibrations. Centrifugal force. Balancing of machines. Reciprocating motion. The pendulum.

Various motions. Crank and connecting rod. Curves of piston displacement and piston velocity. Quick return motion. Reversing and quick return motion by belting.

Hydraulics. Fluids and fluid pressure. Hydraulic press Hydraulic jack. Hydraulic accumulator. Pressure or head at different depths in liquids.

Reciprocating pumps. Suction or lift pump. Force pump. Double-acting force pump. Three throw pump.

Water in motion. Flow of water through orifices. Head and energy of water. Flow of water in pipes. Force of a

jet. Water wheels, overshot and undershot. The Pelton wheel. Turbines. Centrifugal pumps.

Practical Work.

Determination of the approximate area of an irregular plane figure (*a*) by the method of mean ordinates, (*b*) by weighing.

Construction of a vernier and measurement of length by means of it.

Measurements by means of vernier callipers and screw gauge.

Experimental verification of the law of triangle of forces.

Experimental verification of the law of polygon of forces.

Determinations of power and weight on the inclined plane.

Determination of forces in braced structures.

Determination of forces in members of a roof truss.

Experimental verification of the law of moments.

Experimental verification of the principle of moments for parallel forces.

Determination of efficiency of lifting machines.

Determination of coefficient of sliding friction.

Measurement of the brake horse-power of an engine.

Determination of the centre of gravity of an irregular area.

Determination of the height of the centre of gravity of a solid.

Measurement of the strain and stress of a rubber cord.

Determination of modulus of elasticity, yield point and ultimate strength of various wires.

Determinations of the stiffness and the time of vibration of a spring.

Experimental verification of the laws of deflections of beams.

Experimental verification of the laws of twisting of wires or thin rods.

Determination of the period of vibration of a simple pendulum and calculation of the value of the acceleration of gravity.

Determination of the value of acceleration of gravity by means of a simple apparatus.

Determination of the kinetic energy stored in a fly-wheel.

Experiments on the flow of water through orifices, and verification of the laws.

Books recommended.

"Elementary Applied Mechanics," by Morley and Inchley, Third Edition, 1922 (Longmans), 5s.

"Laboratory Instruction Sheets in Elementary Applied Mechanics," by Morley and Inchley, 1912 (Longmans), 2s.

Heat Engines.

Temperature and its measurement. Expansion. Heat and its measurement. Quantity of heat. Specific heat. Transference of heat. Mechanical equivalent of heat.

Properties of steam. Sensible and latent heats. Dry, saturated and superheated steam. Relation between pressure, volume and temperature of saturated steam. Steam tables and their uses,

Work. The diagram of work. Work done on the piston, its calculation and graphic representation. Hypothetical and probable diagrams of work. Admission and throttling.

ing of steam in the engine cylinder. Expansion and exhaust. Clearance and cushioning. The indicator and its uses. Indicator diagrams. Indicator horse-power. Brake horse-power. Mechanical efficiency. Electrical horse-power.

Properties of gases. Atmospheric pressure and its measurement. Measurement of pressure of a gas. Boyle's Law. Charles' Law. Combination of Boyle's and Charles' Laws. Isothermal and adiabatic expansion. Specific heats of a gas.

Names and functions of the principal parts of a simple, single-cylinder, non-condensing steam engine. Materials of which the parts are made and the methods of lubrication. Mechanics of the steam engine. Turning moment Inertia. Fluctuations in speed of rotation. Means of securing steady speed. The fly-wheel and the centrifugal governor.

Names and functions of the principal part of an ordinary boiler
Types of boilers. The safety valve, water gauge, pressure gauge, and blow-off cocks. Arrangements for cleaning and inspection. Government regulations on boiler inspection. Strength of boilers. Stresses in a cylindrical shell. Boiler plates. Riveted joint and their strength. Fuels. solid, liquid and gaseous. Air required for combustion. Heating value of fuels. Composition and temperature of flue-gases. Fuel economy. Efficiency of a perfect heat engine. Carnot's cycle. Condensers, their types and uses. Feed water heaters and economisers. Chimney draught and artificial draught.

Practical Work.

Determination of the coefficient of linear expansion of a solid.
Determination of the specific heat of solids (by the method of mixtures).

Determination of the relative values of non-conducting materials.

Determination of the latent heat of ice.

Determination of the latent heat of steam at atmospheric pressure.

Preparation of superheated steam.

Determination of the relation between the pressure and temperature of saturated steam.

Attachment of the indicator and gear to the engine cylinder taking indicator diagrams and determination of indicated horse-power.

Attachment of the brake to the flywheel and determination of brake horse-power.

Determination of the heating value of coal.

Book Recommended.

"Steam and other Engines" by J. Duncan, 1818 (Macmillan).
6s.

Practical Solid Geometry.

The drawing instruments and their uses.

Plane Geometry.

Exercises in points, straight lines, angles, triangles and polygons.

Scales and their construction.

Exercises in lines and circles.

Construction of similar figures.

Areas of plane figures.

Properties and constructions of the ellipse and other curves.

Solid Geometry.

Representation of bodies of three dimensions. Co-ordinate planes. Plan and Elevation.

Exercises on points and lines.

Solids in simple position.

Alteration of ground line, projections and sections of solids.

Further exercises on lines. Horizontal projection.

Inclined and vertical planes and plane figures.

Projections of geometrical solids with faces inclined.

Oblique planes and lines.

Development of surfaces, exact and approximate.

Exercises on planes, lines and polygons.

Interpenetrations.

Metric projection. Isometric and trimetric projection.

Elements of perspective.

Book Recommended.

“Practical Plane and Solid Geometry,” First Stage. by G. F. Burn, Fourth Edition (Univ. Tutorial Press, London), 4s.

Engineering Drawing.

Practice in the use of drawing instruments by the execution of a series of tracings. The making of hand sketches and the taking of dimensions of simple details of machines. Pencil drawing from these sketches.

The scale drawing, complete with sections, dimensions and specifications. The tracing and reproduction of the scale drawing in quantity. Blue printing.

The strength and proportions of such standard details as nuts, bolts, screws, keys, cotters, pins, belts.

The design of simple riveted joints, shafts, couplings, pipe lines, cylinder covers, ties, struts, boiler stays, girders. belt pulleys and toothed wheels. The examples to be chosen from among details of engines, boilers, valves, pipes and their connections; machine tools; hydraulic and mining machinery.

Book Recommended.

"Introduction to Engineering Drawing," by J. Duncan, 1922 (Macmillan), 4s.

Practical Solid Geometry and Engineering Drawing.

LIST OF DRAWING INSTRUMENTS

and other articles with which the students are required to provide themselves for these Courses.

(A)—Essential.

- *5"—6" Dividers, with hairspring adjustment and needle points
- *3 $\frac{1}{4}$ "—4 $\frac{1}{2}$ " Bow compasses, double-jointed, with needle points. and interchangeable pencil and pen points.
- *4 $\frac{1}{2}$ "—5 $\frac{1}{2}$ " Drawing pen.
- 10" 30° × 60° Triangle, transparent celluloid or vulcanite.
- *8" 45° Triangle, transparent celluloid or vulcanite.
- 5" 30° × 60° Triangle, transparent celluloid or vulcanite.
- 4" 45° Triangle, transparent celluloid or vulcanite.

- 2 Irregular or "French" curves, one ellipse and one spiral, pear-wood or transparent celluloid. (Stanley's Nos. 16 and 22 or similar ones by other makers.)
- 6" Rectangular protractor, boxwood, with $\frac{1}{8}$ ths and $\frac{1}{10}$ ths of an inch on one side and a diagonal scale on the other.
- 6" Steel rule, divided into 8, 16, 32 and 64 parts per inch.
- 12" Boxwood scale, oval section, divided $1\frac{1}{2}$ " and 3".
- 3 Drawing pencils, 4H, 3H and HB.
- *4" Triangular steel file for sharpening pencil.
- Pencil eraser.
- *Chinese ink stick.
- 2 $\frac{1}{2}$ " Porcelain saucer, with cover.
- *12 Lithographic crow quills with handle.
- *Penwiper of lintless cloth.
- Sketch-book, 12" \times 10", containing about 30 leaves cartridge drawing paper.
- *Sponge, about 2" diameter.
- *12 Drawing pins, brass head.
- 12 Sheets superior drawing paper, 30" \times 22".
- 6 Sheets cartridge drawing paper, 30" \times 22".

(B)—*Useful but not Essential.*

Soft rubber for cleaning.

Ink Eraser.

Eraser shield, with various shaped holes.

10" Slide rule. (This will be useful for many other purposes besides this one and throughout the Four-year Course.)

NOTE.

The articles marked * above will again be required for the Surveying Course in the Third year (see List there).

Students are advised to secure the best drawing instruments that they can afford. For one who expects to do work of professional

grade it is a mistake to buy inferior instruments. Sometimes a student is tempted to get cheap instruments for learning and better ones later. So it must be pointed out that poor instruments will be an annoyance from the very start, and will be worthless after short usage, whereas good ones, with reasonable care, will last a lifetime. As good and poor instruments look so much alike that an amateur is unable to distinguish them, it is well to have the advice of a competent judge, or to buy only from a trustworthy and experienced dealer.

For the convenience of students, drawing instruments and other articles mentioned above, of approved pattern and quality, will be offered for sale at cost in the Department, whenever practicable. The approximate total price at present of the essential articles (A) listed above is Rs. 65/- and of the useful but not essential (B) is Rs. 23/-.

Students should mark all their instruments and materials plainly with initials or name.

Drawing Boards and T-squares will be provided by the Department.

Applied Electricity.

Fundamental units. Derivation of practical electrical units.

Electrical measurements. Ammeters, voltmeters wattmeters; their construction and the principles of their actions. Condensers. Ballistic galvanometers.

Magnetic phenomena. The magnetic circuit. Magnetisation of iron and other metals. Practical magnetic measurements. Permeability, susceptibility. Hysteresis.

Construction of arc lamps and incandescent lamps. Their mode of use in electric lighting. Electricity supply stations. Different modes of current distribution for lighting purposes. Photometry. Units of illumination and brightness.

Construction of secondary cells. Types of cells. Behaviour during charge and discharge. Determination of resistance, capacity and efficiency of secondary cells.

Electro-magnetic induction. Induction of electric currents. Fundamental principles of dynamo machines. Field.

magnets. Armatures. Different forms of continuous current dynamos. Armature reaction. Characteristic curves. Efficiency and energy losses of dynamo machines. Different types of direct-current motors.

Practical Work.

- Tracing lines of force in the field of a two-pole dynamo, of a four-pole dynamo and of a four-pole dynamo connected as a two-pole machine.
- Study of the fall of potential along a conductor.
- Resistances in series, in parallel, and in combined series and parallel circuits.
- Measurement of low resistance by the fall of potential method.
- Measurement of high resistance by the voltmeter method.
- Measurement of resistance by means of the Wheatstone Bridge.
- Location of a fault when both ends are accessible.
- Study of direct-current motor starters with no-voltage and overload release.
- Measurement of insulation resistance of dynamos, motors, mains, etc.
- Series and parallel arrangements of cells.
- Study of a storage battery. Charging the battery.
- Determination of electro-deposition of copper.
- Energy consumption of an incandescent lamp. Measurement of candle-power and efficiency.
- Calibration of voltmeter, ammeter and wattmeter.
- Study of a direct-current machine; operation of a shunt-wound machine as a generator and as a motor. and determination of characteristic curves.

Load characteristics of a series-wound generator.

Brake tests on the series and shunt motors.

Determination of the efficiency under various conditions of electrically driven fans and pumps.

Joining wires and cables.

Tests and adjustment of simple telephone apparatus.

Book Recommended.

Introduction to Technical Electricity "by S. G. Starling, 1921" (Macmillan) 4s.

Metallurgy.

Chemical arithmetic.

Chemical calculations, illustrative of the fundamental principles of the gas laws, the laws of constant and multiple and equivalent proportions, the atomic theory, chemical formulæ and equations, equivalent or combining weights, Avogadro's hypothesis and atomic and molecular weights. Oxidation and Reduction.

Physical properties of metals and alloys.

Nature and objects of metallurgical processes.

Fuels.

Combustion. Heating power of fuels and methods of determining it. Calorimetry. Temperature of combustion and methods of determining it. Pyrometry. Amount of air required for combustion. Products of combustion. Loss due to incomplete combustion. Chimney draught. Solid fuels—wood, peat and coal; charcoal and coke; briquettes—their composition, calorific value, other properties and uses. Classification of coal. Coals for cooking and metallurgical purposes. Indian coals. Storage of coal. Methods of preparation of charcoal and coke, with and with-

out recovery of bye-products. Economic aspects of bye-product recovery. Properties of blast furnace coal. Coal-washing. Liquid fuel—crude petroleum, its distillation and products; their composition, calorific value. other properties and uses. Comparison with solid fuels. Gaseous fuels—coal gas, coke oven gas, producer gas, semi-water gas, water gas and blast furnace gas; their composition, calorific value and uses. Manufacture of producer gas and semi-water gas. Theory of air-carbon and steam-carbon reactions. Leading types of producers; Advantages of gaseous fuels.

Refractory materials.

General requirements. General character and approximate composition of the common acid, basic and neutral refractories: Methods of testing refractory materials.

Slags and fluxes.

General properties. Approximate composition and chief characteristics of ordinary slags.

Furnaces.

Their classification. Hearths. Shaft furnaces—calcining furnaces, blast furnaces and cupolas. Reverberatory furnaces for roasting and smelting. Crucible, retort, and muffle furnaces. Ovens and converters. Electric furnaces. modes of producing and utilising heat in these furnaces.

Iron and steel.

Ores of iron. Their occurrence in India. Smelting for pig iron. The iron blast furnace and plant. Hot-blast stoves. Operations of the blast furnace. Chemical reactions of the blast furnace. Blast furnace control. Disposal of products. Composition of pig-iron, blast furnace slag and blast furnace gas. Influence of varying conditions. Constituents of pig-iron. Properties and uses of pig-iron. The effect of carbon, silicon, sulphur, phosphorus and manganese and of the rate of cooling on the constituents.

and properties of cast-iron. Grading of pig-iron. The cupola and blower. Re-melting. The foundry. Behaviour of cast-iron in cooling. Size of casting and composition of cast-iron. Chilled and malleable castings. Wrought-iron. its manufacture by the puddling process. Properties and uses of wrought-iron. Steel; its manufacture by the crucible, the acid and basic Bessemer, and the acid and basic open-hearth processes. Chemistry of these processes. Re-carburization. Ferro-manganese and spiegeleisen. Casting the ingots. Defects in ingots and their correction. Rolling-mill operations. Heat treatment of steel—hardening, tempering and annealing. Structure and constitution of steel. Equilibrium diagram of iron-carbon alloys, treated in an elementary manner. Properties and uses of steel. Alloy steels. Corrosion of iron and steel. Protection from corrosion by means of zinc, nickel, and tin coatings.

Copper.

Ores of copper. Extraction of copper from its ores; roasting; smelting and converting; pyrite smelting. Refining of copper; fire refining and electrolytic refining. Properties and uses of copper.

Lead.

Ores of lead. Extraction of lead from its ores. Properties and uses of lead.

Zinc.

Ores of zinc. Extraction of zinc from its ores; preliminary treatment, concentration, calcination and roasting; distillation and condensation. Properties and uses of zinc.

Tin.

Tin ore. Dressing of tin ore and separation from wolfram. Extraction of tin from its ore. Properties and uses of tin.

Aluminium.

Ores of aluminium. Preliminary treatment. Extraction of aluminium from its ore. Properties and uses of aluminium.

Gold.

Ores of gold. Methods of treatment. Processes of extraction. Properties and uses of gold.

Silver.

Ores of silver. Process of extraction. Cupellation. Properties and uses of silver.

Non-ferrous Alloys.

The nature of alloys. Methods of preparation of alloys. Approximate composition, properties and uses of the common alloys of copper, tin, zinc, lead and aluminium. Effects of the addition of small amounts of manganese, phosphorus, silicon, iron and antimony to these alloys.

Book Recommended.

"Metallurgy" by E. L. Rhead, 1921 (Longmans) 5s.

INTERMEDIATE EXAMINATION IN MINING AND
METALLURGY, PART I.

THE EXAMINATION.

Mathematics. One paper of 3 hours' duration carrying a maximum of 100 marks.

Applied Mechanics. One paper of 3 hours' duration carrying a maximum of 100 marks and inspection of the record of the candidate's laboratory work, duly certified by the teacher in charge, carrying a maximum of 50 marks.

Heat Engines. One paper of 3 hours' duration carrying a maximum of 100 marks.

Practical Solid Geometry. One paper of 3 hours' duration carrying a maximum of 60 marks and inspection of the drawing office work of the candidate, duly certified by the teacher in charge, carrying a maximum of 40 marks.

Engineering Drawing. One paper of 4 hours' duration carrying a maximum of 60 marks and inspection of the drawing office work of the candidate, duly certified by the teacher in charge, carrying a maximum of 40 marks.

Applied Electricity. One paper of three hours' duration carrying a maximum of 100 marks and inspection of the record of the candidate's laboratory work, duly certified by the teacher in charge, carrying a maximum of 50 marks.

Metallurgy. Two papers each of 3 hours' duration and each carrying a maximum of 100 marks.

Paper I—General Metallurgy. (Chemical arithmetic; physical properties of metals and alloys; fuels; refractory materials; slags and fluxes; furnaces.)

Paper II—Ferrous and Non-ferrous Metallurgy. (Iron and steel; copper; lead; zinc; tin; aluminium; gold; silver; non-ferrous alloys.)

MINING AND METALLURGY.

(*Second Year*).

**Intermediate Examination in Mining and
Metallurgy, Part II:**

THE SYLLABUS.

Geology and Mineralogy.

Dynamical and Structural Geology.

The aims, methods and applications of geology.

Disintegration of the earth-crust by rain, wind, heat and cold, frost, underground water, rivers, glaciers and the sea.

Transportation by gravity, rivers, glaciers and wind.

Deposition of the detritus; terrestrial, fluvial, lacustrine and marine deposits.

Volcanoes; form and structure; eruption and its products; causes of volcanic action.

Earthquakes; nature and origin; phenomenon and its effects; connection with volcanoes.

Elevation and depression of land.

Evolution of surface features by terrestrial agencies and river erosion. Formation of valley systems. The effects of glaciation and wind action on topography.

Joints, bedding and lamination. Faults and folding. Contour maps. Outcrops of simple structures on contour maps. Map reading and the construction of sections.

Crystallography and Physical Properties of Minerals.

Crystallographic laws; the six systems of crystallography;

important groups of symmetry. Weiss and Miller systems of notation. The contact goniometer.

Twinning.

Density, hardness and other physical properties of minerals.

The petrological microscope.

Optical characters of minerals in the microscope under ordinary and polarised light.

Mineralogy.

Study of about 40 of the important rock-forming minerals, with regard to their chemical composition, chemical alterations, crystallography, physical properties, microscopic characters, occurrence and commercial uses if any.

Study of the important ore-forming minerals and others of economic importance, with regard to their chemical composition, physical properties used in recognition blowpipe tests, occurrence and economic uses.

The important minerals of India.

Petrology.

Igneous rocks; morphology, texture and classification.

Megascopic and microseopic characters of important rock types and their mode of origin.

Sedimentary rocks; arenaceous, argillaceous, calcareous and pyroclastic rocks.

Metamorphic rocks; thermal and dynamic metamorphism.

Important types.

The important rocks of India.

Palaeontology.

Methods of preservation of fossils. The value of fossils as indices of age and climate. The detailed study of a few

type specimens from among the fossils found in the coal-fields of India.

Historical Geology.

Principles of stratigraphy. Sub-divisions of the geological record into groups, systems and series. The leading features and characteristic fossils of these sub-divisions

Important physical features of India. The rock-formations of India and Burma treated in a concise manner; the Dharwar and Gondwana systems in greater detail.

Practical Work.

Determination of density, hardness and fusibility of minerals.

Reading and making drawings of crystals of common minerals.

Examination of important rock-forming minerals in hand specimens and under the microscope.

Microscopic and megascopic examination of a representative collection of rock-types and sections.

Sight-recognition of the leading characteristic fossils.

Easy exercises on the outcrop of beds. Reading geological maps and drawing sections across simple geological structures.

Books Recommended.

"Geology for Beginners" by W. W. Watts, Third Edition, 1920, (Macmillan), 3s. 6d.

"Mineralogy" by Rutley and Read, Twentieth Edition, 1919, (Thos. Murby & Co.), 6s.

"Minerals and the Microscope" by H. G. Smith, Second Edition, 1922, (Thomas Murby), 5s.

NOTE:

Students are required to provide themselves with the following articles for the courses :—

I blowpipe

I penknife

I platinum wire, 2" long

I pocket-lens

I box of 6 water-colours, with mixing pans and two brushes, nos. 3 & 5 (cobalt blue, burnt umber, vermilion, gamboge, hooker's green, payne's grey)

2 match-boxes

I duster.

For the convenience of students the above articles of approved pattern and quality will be offered for sale at cost in the Department whenever practicable. The approximate total price is Rs. 12 at present.

Students should mark all their instruments and materials plainly with initials or name.

Physical Chemistry.*Gases.*

The gas laws. Gases at high pressures. The gas thermometer. Kinetic theory and Avogadro's hypothesis. Specific heat of gases. Adiabatic and isothermal compression and expansion. Specific heat at constant pressure and at constant volume. The specific heat ratio.

Liquids.

Connection between the gaseous and liquid states. Critical temperature and critical pressure. Production of low temperatures, and liquefaction of gases. Vapour pressure, boiling-point, density and surface tension of liquids.

Solids.

Vapour tension and melting point. Equilibrium diagrams and phase rule.

Solutions and Mixtures.

Absorption of gases by liquids and solids. Miscibility of liquids. Solutions of solids in liquids. Solid solutions.

Dilute solutions and osmotic pressure. Vapour tension and boiling point of solutions. Laws regulating depression of freezing point. Deposition of salts from aqueous solutions. Freezing points of mixtures. Eutectics,

Electrolytes.

Their osmotic abnormality. Electrical conductivity and electrolytic dissociation. Mechanism of conduction.

Colloids.

Colloidal solutions and suspensions. Preparation and properties of colloidal solutions. The precipitation of colloids from solution.

Thermo-chemistry.

Chemical energy and thermal energy. Exothermic and endothermic reactions. Heats of formation, solution, dilution combustion and neutralization. Reactions at constant volume and constant pressure. Variation of heat of reaction with temperature.

Laws of Mass Action.

Reversible reactions. Factors which determine chemical equilibrium. Homogeneous and heterogeneous equilibrium.

Chemical Kinetics.

Velocity of chemical reactions. Velocity as affected by temperature. Catalysis.

Book recommended.

"Outline of Physical Chemistry" by G. Senter, Eighth Edition, 1920 (Methuen), 7s. 6d.

Assaying.

Qualitative Analysis.

General principles. Reactions of the common cations and anions. Systematic analysis.

Quantitative Analysis.

Sampling—

General principles. Methods of sampling ores, fluxes, coal, metals and alloys, liquids, and gases. Appliances used.

The operations of Analysis—

Gravimetric.

Weighing; care and use of the balance; reagents; precipitation; filtration; use of the Gooch crucible; washing the precipitates; burning precipitates; care of platinum; the desiccator; calculation of results.

Volumetric.

Volumetric apparatus. Titration; normal solutions; empirical standard solutions; standardizing solutions; factors; indications; calorimetry.

Fire Assaying.

Furnaces, their construction and uses. Methods of assay. Reagents.

General instructions on the practical assaying work prescribed. Select methods of assay. Principles involved.

Practical Work.

As much out of the following as time permits;—

Qualitative analysis of a few artificial mixtures, ores, and alloys.

Iron Ore. Determination of moisture, iron, silica, sulphur and phosphorus.

Manganese Ore. Determination of manganese.

Copper Ore. Determination of copper.

Lead Ore. Determination of lead.

Tin Ore. Determination of tin.

Gold and Silver Ore. Determination of gold and silver,

Iron and Steel. Determination of carbon, silicon, manganese, sulphur, and phosphorus.

Brass and Bronze. Determination of copper, zinc and tin.

Limestone. Determination of lime,

Coal. Determination of moisture, volatile matter, coke, ash, and sulphur. Determination of calorific power using the Thomson Calorimeter.

Flue Gas. Determination of carbon dioxide, oxygen and carbon monoxide.

Boiler Water. Determination of total solids, mineral matter, scale-forming constituents, lime, magnesia and sulphur trioxide.

Sanitary Water. Determination of total solids, temporary hardness, permanent hardness, free ammonia, albuminoid ammonia, nitrites and chlorine.

Book Recommended

‘Text-book of Assaying,’ by C and J. J. Beringer, Fourth Edition, 1921 (Charles Griffin), 12s. 6d.

NOTE.

Each student will be provided at the commencement of this course with a set of general apparatus required for this course, together with a list showing the average cost prices of the various articles. He will be required to return the articles in good order and condition at the end of the course, with the exception of certain articles, considered as almost inevitably used up or broken in the course of the work, which may not be returned and which will be distinctively shown on the above list. For such of the articles as are due to be returned but are not returned, one-half of the prices shown on the list will be charged to the student. Should further quantities of any of these articles be required in the course of the work, they will be supplied

against cash payment of one-half of the prices shown in the lists, Students should mark all the articles thus supplied to them plainly with initials or name.

Apparatus other than the above, required in the course of the work, will be issued from time to time and shall be returnable in good order and condition directly the work for which it was issued is over. A safe will be provided in which platinum dishes platinum crucibles and such other articles of a costly nature must be kept overnight if the work with them is not finished. Charging for damage to any apparatus, as well as to any apparatus set apart for the common use of Students such as balances, Kipp generators, ovens, bellows, furnaces, etc, will be at the discretion of the Head of the Department.

Intermediate Examination in Mining and Metallurgy, Part ii.

The Examination.

Geology and Mineralogy. Two papers, each of three hours, duration and each carrying a maximum of 100 marks, and a Practical Examination, carrying a maximum of 100 marks.

Paper I—Dynamical and Structural Geology, Palaeontology and Historical Geology,

Paper II—Crystallography, Mineralogy and Petrology.

Practical Examination based on the Practical Work prescribed. The record of the laboratory work of the candidate, duly certified by the teacher in charge, will be taken into consideration in assigning marks for the Practical Examination.

Physical Chemistry. One paper of three hours' duration and carrying a maximum of 100 marks.

Assaying. One practical Examination based on the Practical Work prescribed, carrying a maximum of 100 marks.

The record of the laboratory work of the candidate, duly certified by the teacher in charge, will be taken into consideration in assigning marks for the Practical Examination.

MINING AND METALLURGY.

(*Third Year*)

Bachelor of Science Examination in Mining and Metallurgy, Part I.

THE SYLLABUS.

Mining.

The following treated in an elementary manner:—

Introduction.

Definitions. Historical review of mining.

Occurrence.

Mode of occurrence of mineral deposits; beds or seams, veins, masses, gravel deposits, etc. Effect of mode of occurrence on the method of exploitation. Faults. Types of faults. The principal mineral deposits of India; occurrence and statistics.

Prospecting.

Chance discoveries. Application of geology to prospecting. Association of minerals and rocks. Surface indications. Prospecting methods. Tracing float. Tracing by panning. Trenches and test-pits. Prospecting by boring. Prospecting outfit.

Boring.

Purposes of bore holes. Use of boring in determining the presence and nature of a mineral deposit, its depth from

the surface, thickness, dip and strike. Common methods of boring; their merits, limitations, uses and costs. Survey of bore-holes.

Development of Deposits.

Sinking. Position, size and shape of shafts and inclines. Methods of sinking. Lining of shafts. Arrangements at top of sinking shafts. Special methods of sinking. Lay-out of levels; headings and cross-cuts. Roads and drives. Rises and winzes.

Methods of Working.

Alluvial mining. Placer mining. Sluicing; ground-sluicing. Hydraulicking. Dredging. Drift mining.

Open-cut mining. Advantages and disadvantages. Methods of excavation. Applications of open-cut methods. Limit of depth. Height and slope of benches. Costs. Quarrying.

Underground mining. Various methods. Factors influencing choice of method.

Metal-mining methods. Underhand stoping, overhand stoping, square-set stoping, shrinkage stoping, top-slicing.

Coal-mining methods. Shaft pillar. Laying out pit bottom. Methods of working inclined thin and thick seams. The bord and pillar method. The longwall methods. General factors influencing the choice and details of these methods. Detailed study of the bord and pillar methods. Flat or slightly pitching seams. Influence of cleat. Pitching seams. Extraction of pillars. Panels, Longwall methods. Advancing versus retreating systems. Longwall versus bord and pillar methods.

Breaking Ground.

Hand tools. Machine drill. Methods of breaking coal. Coal-cutting machines. Explosives used in mining; their composition, characters and uses. Fuses and detonators.

Shot firing. Firing by electricity Misfires. Handling and storage of explosives.

Support of Excavations.

Equilibrium of rock masses. Zone of disturbance. Surface subsidence. Support of working places. Classes of supports. Pillars and packs of the mineral worked. Pillars and packs of waste rock. Props; cribs and chocks; square sets; special timbering in loose ground. Arches. Waste rock filling. Sand or culm filling. Hydraulic stowage. Timbering of drives. Drive sets in firm and heavy ground. Support by masonry, brick-work, concrete, iron and steel. Timbers used; their decay and preservation. Methods of treatment.

Haulage.

Main haulage in drives and cross-cuts. Tramways. Mine cars, wagons or tubs; their principal types. Rails and methods of laying them. Hand tramming; horse haulage; locomotive haulage. Rope haulage; self-acting inclines or gravity planes; engine planes; single rope haulage; main and tail rope haulage; endless rope or chain haulage. Secondary haulage in stopes or working places; on inclines. Transport at surface. Locomotives. Aerial ropeways. The monocable and double rope systems. Selection of route. Survey of proposed route. Costs of equipment and operation.

Hoisting.

Simple contrivances; rope, bucket and pulley; the windlass; whipsiderry; horse-whims; water-wheels. Small geared steam-driven self-contained hoists. Hoisting engines, types, description of parts. Calculation of dimensions. Steam economy. Ropes and rope-cappings. Detaching hooks. Overwinding prevention devices. Care and examination of ropes. Buckets, skips and cages. Guide-

ropes. Decking systems. Keps, signals, and indicators. Headframes and pulleys.

Drainage.

Sources of mine water. Prevention of inflow. Drainage levels and sumps. Underground dams. Drainage tunnels, adits. Raising water by winding machinery. Pumps and their location. Types of mine pumps. Hand pumps. The lift and force pumps. Direct-acting steam pumps, single and duplex. Electrically driven pumps. Centrifugal and turbine pumps. Sinking pumps. The pulso-meter pump. Calculation of the dimensions of pumps. Methods of supporting pumps and pipes. Strength of pipes. Pipe-joints.

Ventilation.

Pollution of mine air. Sources of pollution. Analysis of mine air. The Orsat apparatus; the Haldane apparatus. Fire-damp, carbon dioxide, carbon monoxide; their experimental preparation and demonstration of properties. Methods of detecting them. Explosions. Spontaneous combustion of coal. Dangers of coal dust. Rescue apparatus. Treatment of men overcome by foul air. Relation between fire-damp and atmospheric pressure. Sudden outburst of fire-damp from cavities. Dilution of impurities in mine air. Hygienic requirements of mine air. Quantity of air required. Ventilating currents, their distribution and regulation. Coursed and split ventilation. Carrying air to working face. Ventilating district. Velocity of ventilating currents and its measurement by means of the anemometer. Friction of air. Ventilating pressure. Water gauge. Quantity of air and its measurement. Moisture in air and measurement of relative humidity. Hygrometer, thermometer and barometer. Natural and furnace ventilation. Mine fans; disc type; centrifugal type slow-speed and high-speed. The common.

varieties, Guibal, Waddle, Capell, Sirocco and Rateau fans. Ventilation of metal mines; ventilation of coal mines.

Lighting.

Use of candles, oil, acetylene, electric and safety lamps. Principle of the safety lamps. Sir Humphrey Davy's experiment. Common types of safety-lamps. Safety lamps as fire-damp detectors. Cleaning, filling, locking, testing, distributing and relighting of safety lamps.

Legislation.

The Indian Mines Act, 1901.

Rules made under Section 20 of the Indian Mines Act, 1901, applicable to Coal Mines; 1921.

Rules made under Section 20 of the Indian Mines Act, 1901, applicable to Mines for Manganese, Mica and Limestone; 1914.

The Indian Explosives Rules, 1914.

Books Recommended.

"Elements of Mining and Quarrying," by Le Neve Foster, Fourth Edition, 1919 (Charles Griffin), 9s.

"Ore Mining Methods," by Walter Crane, Second Edition, 1917 (Chapman), 17/6d.

"Coal Mining," by Robert Peel, Nineteenth Edition, 1917 (Blackie and Son), 6s.

Surveying.

Introduction,

Plane and geodetic surveying. Methods of locating a point.

Errors in surveying; their classes, sources and relative importance; precautions; probable errors.

Direct Measurement of Distances.

Chains and steel tapes; ranging rods and flags; methods of using them on level and sloping ground. Obstacles to measurement. Sources of error in chaining and their relative importance. Checking and correction of the chain. Degree of accuracy in chain survey.

Surveying with the Chain only.

Selection of stations. Form of triangles. Chaining. Tielines. Offsets. Auxiliary instruments. Field book. Plotting the survey. Drawing instruments and accessories. Colouring. Conventional signs.

Surveying with the Magnetic Compass and Chain.

The compass; the prismatic compass; methods of using them. Magnetic bearing. Declination of the needle and its variation. Adjustments of the compass. Common sources of error in compass surveying. Local attraction. Calculation of angles from bearings. Methods of surveying with the compass and chain. Plotting the survey. Degree of accuracy, Filling in a survey. Finding one's place in a survey.

Levelling.

The spirit level. Angular value of one division of the level tube. Construction, adjustments and uses of the Dumpy. Wye, Zeiss and Abney levels. Methods of levelling with level and staff. Common sources of error in levelling. Datum plane, bench marks and turning points. Booking, reduction and plotting observations. Profile levelling. Cross-section levelling. Flying levels. Contouring. Barometric levelling,

Traversing with the Miner's Dial.

The miner's dial; its construction, adjustments and uses. Magnetic phenomena. Loose needle surveying. Principle of the vernier. Fixed needle surveying. Setting out underground with the dial. Booking. Plotting. Degree of accuracy.

Traversing with the Transit Theodolite.

The Transit theodolite; description and uses of its parts. Permanent and temporary adjustments. Methods of observing with the theodolite. Measurement of horizontal and vertical angles. Taking the magnetic bearing of an object. Methods of levelling with the theodolite. Errors in using a theodolite, and their effects. Precautions. Partial compensation by transiting and repeating the measurement. Care of the theodolite. Methods of carrying out a traverse survey. Methods of checking traverses which do not form closed figures. Obstacles on line. Inaccessible distances. Computations. Traverse tables. Plotting the survey. Error of closing and its distribution.

Surveying with the Plane Table.

The Plane Table equipment and method of surveying with it. Survey by magnetic bearings, survey by the back and forward ray system, and survey by intersection and interpolation based on trigonometrical or theodolite traverse data. The three-point problem. The two-point problem. Applications of plane-tableing methods. Approximate contouring with the plane table and tangent clinometer.

Triangulation.

Measurement of base line. Well-conditioned triangles. Measurement of angles. Errors. Computation of heights.

Tacheometry.

The Tacheometer. Measurement of distance with stadia wires. Stadia wires and stadia rods. Principle of the stadia. The stadia focal constant. Inclined sights. Booking. Computations. [Stadia tables. The stadia slide rule. Methods of survey. Stadia traverses. Stadia levelling. Stadia contouring. Tacheometric planetabling. Gradient-Telemeter levelling.

Mine Surveying with the Transit Theodolite.

Transit theodolites with additional or interchangeable top and side telescopes. Construction, adjustments and use of these instruments for underground surveying. Relative importance of adjustments in flat and steep sights. Underground levelling. Shaft plumbing. Measurement of the depth of shaft. Tunnel surveying. Borehole surveying. Typical underground surveying problems.

Connection of Underground and Surface Surveys.

Methods employed. Connection through adits, slopes or underlay shafts. Connection by means of two shafts; by means of one shaft. Connection by means of the magnetic needle; by means of the transit theodolite.

Astronomical Surveying.

Definitions and principles. Determination of latitude, longitude, local time, and azimuth by astronomical observations.

Setting out.

Giving and maintaining direction and gradient for inclined shafts, slopes, levels, tunnels, etc. Ranging curves.

Office Work.

A series of graduated exercises on surveying problems. Determination of areas in various ways, including the use of the planimeter. Measurements of excavations.

embankments, etc. Computation of rectangular co-ordinates and problems in connection therewith. Plotting, and copying. Enlarging and reducing, including the use of the pantagraph and the eidograph. Mine plans and sections. Representation of geological and other data on mine-plans and sections. Fault-problems. Mine models.

Field Work.

A course of Field-work corresponding to the above.

Books Recommended.

"Thomason Civil Engineering College Manual, No. XIV, Surveying, Part I" by Firebrace and Veale. Eleventh Edition. 1921 (Book Depot, Thomason College, Roorkee, India,) Rs. 5/8/—.

"Treatise on Mine-Surveying", by B. H. Brough, Fifteenth Edition, 1920 (Charles Griffin), 9s.

LIST OF DRAWING INSTRUMENTS.

and other articles with which the students are required to provide themselves for this course:—

5"—6" Compass, double-jointed, with needle points, interchangeable pencil and pen points and lengthening bar.

*5"—6" Divider, with hairspring adjustment and needle points.

*3 $\frac{1}{4}$ "—4 $\frac{1}{2}$ " Bow compass, double-jointed with needle points and interchangeable pencil and pen points.

*4 $\frac{1}{2}$ "—5 $\frac{1}{2}$ " Drawing pen.

Rotating spring bow with interchangeable pencil and pen points.

Spring bow divider.

Pricker.

*10" $30^{\circ} \times 60^{\circ}$ Triangle, transparent celluloid or vulcanite,

*8" 45° Triangle, transparent celluloid or vulcanite.

6" Circular protractor, transparent celluloid.

12" Triangular boxwood scale, divided into 10, 20, 30, 40, 50, and 60, parts to the inch.

Triangular boxwood offset scale, divided into 10, 20, 30, 40, 50, and 60 parts to the inch.

3 Drawing pencils, 6H, 4H, and 2H.

*4" Triangular steel file for sharpening pencil.

Pencil eraser.

*Chinese ink stick.

1-oz. Carmine drawing ink.

*12 Lithographic crow quills with handle.

2 Writing pens, with holder.

2 Ball-pointed pens.

*Penwiper of lintless cloth.

Ink eraser.

Eraser shield. with various shaped holes.

Soft rubber for cleaning.

*Sponge, about 2" diameter.

Box of 8 water-colours, with mixing pens, and two brushes, Nos. 3 and 5; (cobalt blue, burnt umber, burnt sienna, vermilion, crimson lake, gamboge, hooker's green, payne's grey).

Nest of four \angle_3 porcelain saucers with cover.

Chamois leather, about 8" \times 6".

Field-book.

*12 Drawing pins, brass head

12 Sheets superior drawing paper, 30" \times 22".

24 Sheets cartridge drawing paper. 30" \times 22"

NOTE.

The articles marked above are the same as those given in the List of Drawing Instruments required for the First Year Course in practical Solid Geometry and Engineering Drawing. See "NOTE" given under the list there.

For the convenience of students, drawing instruments and other articles mentioned above, of approved pattern and quality, will be offered for sale at cost in the department, whenever practicable. The approximate total price at present of the articles not marked* is Rs. 65 and of all the articles is Rs. 110.

Students should mark all their instruments and materials plainly with initials or name.

Drawing boards, T-squares, rolling brass parallel rules, straight edges, beam compasses, proportional compasses, French curves, etc., will be provided by the Department.

Electrical Technology.

The following treated primarily from the practical point of view:—

Introduction. The economy of central station power generation and its distribution. The load factor.

The principles of the dynamo. Continuous and alternating currents. Single-phase, two-phase and three-phase alternating currents. Star and delta connections. Construction of an alternator.

The main switchboard. Regulation of the pressure.

Transformers and converters: their principles, types and uses.

Distribution of current from main generating station to substations on the surface. Protection from shock. Insulators.

Insulation of mine cables.

Fixing cables in the shaft and on haulage roads underground

Jointing of cables. Protection of cables from short circuits: fuses and circuit breakers.

Testing of cables.

Testing resistance of insulation and conductive continuity of copper conductor and iron armour. The megger. The Wheatstone bridge, Portable instruments.

Calculation of the size of cables. Heating of cables.

Earthing system at a mine.

The continuous current motor. Series, shunt, and compound wound motors. Characteristics and uses.

The three-phase induction and synchronous motors.

Resistances for starting and regulating the speed of motors.

The power factor.

The wattless current.

Electric lighting of mines.

Electric winding apparatus. The Induction motor. Winding systems. The Ilgner system. The Westinghouse converter equalising system. Calculation of maximum and average power required.

Electric haulage; single drum, main and tail, and endless rope. Mine locomotives.

Electric pumping plant.

Electric drive of air-compressing plant.

Electric drive of the fan.

Electric coal-cutting machines.

Electric signals for mines.

Telephones for mining service.

Electric shot-firing.

Electric furnaces for smelting, refining and tempering of metals.

The Indian Electricity Act, 1910, and the Indian Electricity Rules, 1922.

Practical Work.

Experimental investigation of as much of the above syllabus as time permits.

Book Recommended.

"Electric Mining Machinery," by S. F. Walker, 1919 (Isaac Pitman and Sons). 15s.

POWER GENERATION AND TRANSMISSION BY NON-ELECTRICAL
METHODS.

The following treated primarily from the practical point of view:—

General considerations

Solid, liquid and gaseous fuels. Value of a fuel as a source of power. Properties desirable. Tests, specifications, handling storage, cost, contract. Water; conservation and storage.

Steam Power.

Control of combustion. Mechanical stoking and draught. Oil firing. Water softening. Boilers and auxiliaries. Rating. Efficiency. Superheating. Engines. Valves. Typical small plants. Steam turbines.

Gas Power.

Suction gas producer principles. Design, operation, rating. Engines; operation and erection. Makers' ratings. Use of coke oven gas and blast furnace gas for power generation.

Oil Power,

Low and high-pressure engines. The three thermodynamic cycles compared with the Otto and Diesel cycles. Oil engines in mining practice.

Water Power.

Intensity and total pressure on a surface. Flow in channels and pipes and over weirs. Impact of water on surfaces. Jet velocities and reaction of jets. Water motors. Specific, runaway and working speeds. High medium and low-head schemes compared.

Transmission.

Gearing, belting, ropes. Electricity and compressed air compared in mining practice.

Lubrication and Care of Machinery.

Lubrication: oils, greases, graphite. Testing lubricants. Forced lubrication. Care of bearings, Repair shops. Nature of repairs and maintenance work generally carried out on a mine. Machines used.

Economics.

Gas, oil, steam and hydraulic plants compared. Relation of capital outlay to life of mine and cost of labour, fuel and transmission. Power consumption on mines. Purchased power.

Practical Work.

Experimental investigation of as much of the above syllabus as time permits.

Book recommended

(To be announced later.)

Assaying.

To be taken only by those candidates for the Bachelor of Science Examination in Mining and Metallurgy—Part I who have not passed the Intermediate Examination in Mining and Metallurgy—Part II (under provisions of clauses 6 and 7 of Chapter XXXIV—C of the Regulations of the Benares Hindu University).

Syllabus same as prescribed for "Assaying" of the Intermediate Examination in Mining and Metallurgy—Part II.

Bachelor of Science Examination in Mining and Metallurgy--Part I.**The Examination.**

Mining. Two papers each of three hours' duration, and each carrying a maximum of 100 marks.

Paper I—Occurrence, Prospecting, Boring, Development of Deposits, Methods of Working, Legislation.

Paper II—Breaking ground, Support of excavations, Haulage, Hoisting, Drainage, Ventilation, Lighting.

Surveying. One paper of three hours' duration carrying a maximum of 100 marks. Inspection of the Drawing Office Work of the candidate carrying a maximum of 100 marks.

Electrical Technology. One paper of three hours' duration carrying a maximum of 100 marks and Inspection of the Record of the Laboratory and Workshop work of the candidate, duly certified by the teacher in charge, carrying a maximum of 50 marks.

Power generation and Transmission by Non-Electrical Methods. One paper of three hours' duration carrying a maximum of 100 marks and Inspection of the Record of the Laboratory and Workshop work of the candidate,

duly certified by the teacher in charge, carrying a maximum of 50 marks.

Assaying. (under provisions of clauses 6 and 7 of Chapter XXXIV—C of the Regulations of the Benares Hindu University. One Practical Examination, based on the Practical Work prescribed, carrying a maximum of 100 marks. The record of the Laboratory work of the candidate, duly certified by the teacher in charge, will be taken into consideration in assigning marks for the Practical Examination.

MINING.

(*Fourth Year*)

BACHELOR OF SCIENCE EXAMINATION IN MINING—PART II.

THE SYLLABUS.

Advanced Mining.

The course on Mining prescribed for the Bachelor of Science Examination in Mining and Metallurgy—Part I treated in greater detail and with the addition of the following:—

Stone quarrying.

Boring for water and oil.

Dressing of Minerals (breaking, crushing, grinding, sizing, classifying, water concentration, flotation concentration, and magnetic separation).

Mine accidents and rescue work.

Books recommended.

“Text-book of Coal Mining”, by H. W. Hughes, Seventh Edition, 1921 (Charles Griffin), 30s,

"Ore and Stone Mining", by Clement Le Neve Foster,
Seventh Edition, 1910 (Charles Griffin) 34s.

Mining Plant and Machinery.

Compressed Air.

Principles of air compression and expansion. Types and details of compressors. Transmission of compressed air. Pipes and mains. Reheating of compressed air. Compressed air engines. Efficiencies of compressed air installations.

Machine Drills..

Piston drills. Hammer drills. Coal cutters. Drill steel. Shape of bits. Sharpening and tempering.

Transport and Haulage.

Trucks; tubs; rails; tracks; hand, animal, locomotive and mechanical systems. Ropeways. Suspended tracks. Gravity planes.

Hoisting.

Shaft and station equipment. Buckets, skips, cages. Ropes. Winding engines. Headframes. Bins.

Pumping.

Bucket, plunger and piston pumps. Direct, crank, and rod-driven pumps. Centrifugal pumps. Hydraulic pumps. Miscellaneous pumps. Efficiencies of installations.

Ventilation.

Rotary blowers. Screw fans. Centrifugal fans.

Practical and Class Work.

Solving of problems likely to occur in practice.

Calculation of machine sizes for particular work, and the efficiencies of installations.

Taking to pieces and assembling representative types of machine drills.

Rock drilling.

Drill sharpening.

Rope Testing.

Books Recommended.

"Compressed Air Practice in Mining," by D. Penman, Second Edition, 1922 (Charles Griffin), 7/6d.

"Modern Mine Ventilation and Lighting," by D. Penman. (Other books to be recommended later.)

Mining Geology.

Mineral Deposits.

Definitions. Classification of mineral deposits.

Forms of Mineral Deposits.

Beds and seams; lenses and saddles; masses; pockets and bunches; pipes and chimneys; veins; stockworks and impregnations; superficial deposits.

Origin of Mineral Deposits.

Cavity filling and replacement; contemporaneous and subsequent deposits. The principal genetic processes; crystallization from igneous magmas, extraction by magmatic gases, contact-metamorphism, precipitation from underground and overground waters, action of organisms, concentration of products of weathering and disintegration.

Primary and secondary variations in mineral deposits. Ore-shoots. Depth zones. Superficial alteration of ore deposits. Impoverishment and enrichment. Persistence of ore in depth. Deformation and dynamo-metamorphism of deposits.

Geology of Certain Metals and Non-metallic Minerals.

The distribution in India and special geology, of the principal deposits yielding aluminium, chromite, copper, gold, iron, lead, manganese, silver, tin and tungsten; building stones, clays, coal, diamond, graphite, magnesite, mica, monazite, petroleum, ruby, salt, and saltpetre.

Prospecting.

Conditions warranting prospecting. Presence of outcrops. Presence of float. Favourable geological conditions. Prospecting methods. Tracing float. Tracing by panning. Trenches. Test pits. Prospecting by means of the magnetic needle. Superficial alteration of ore deposits. Gossan. Secondary enrichment. Prospecting by boring. Prospecting equipment. Government regulations for the grant of prospecting licences and mining leases.

Books recommended.

"Mining Geology" by J. Park, Fourth Edition, 1918(Charles Griffin), 9s.

"Principles of Economic Geology" by W. H. Emmons, 1918 (McGraw Hill), 25s.

*Mine Sampling and Valuation.**Mine Sampling.*

Theory of sampling. General considerations.

Sampling Dumps. Heaps and Consignments.

Methods employed in taking samples and in reducing them.

Sampling Mineral in a Mine.

Sampling by blasting, by drilling and by cutting a channel with a pick. Intervals between samples and width to be included.

Calculating Averages.

Average thickness and value; corrections for sloping width and for specific gravity. Limits of accuracy, The personal factor.

Assay Plans.

Recording the results of sampling. Development, stope and block assay-plans.

Mineral Reserves.

Calculation and classification of tonnage.

Sampling by Boring.

Churn drilling. Core-drilling.

Examination of Mines.

General remarks. Outfit. Assistance. Examination of plans and records.

Examination of Alluvial Deposits.

By cuttings, pits and boring.

Economic considerations.

General conditions influencing working costs, such as climate, labour, fuel, fluxes, timber, water, transport, market for product, Government and Mining Laws. Calculation of profit, working cost, and production.

Reports on Mines.

General considerations. Outline of a typical report,

Mine Valuation.

Prospects and developed mines. Mineral areas. Interest and risk. A mine a wasting asset. Life of a mine. Amortization. Present value of future profits. Mining dividends regarded as terminable annuities.

Book Recommended.

“Sampling and Estimation of Ore in a Mine,” by T.A. Rickard, 1907 (McGraw Hill) 12s.

Economics of Mining.*Mine Organisation and Operation.*

Principles of management. Members of the staff and their duties. The foreman. Control of mining.

Employment..

Management and payment of labour. Efficiency of labour. Daily wages, sliding scale wages, piece-work payment, bonus or premium, tribute, etc., systems.

Welfare. .

Wash and change house. Mine communities and miners' dwellings. Education.

Health and Sanitation.

Diseases associated with mining.

Accidents.

Nature and prevention. Rescue and first-aid. Rescue Apparatus. Safety regulations. Safety inspection. Typical accidents described in the Annual Reports of the Chief Inspector of Mines in India.

Limited Liability Companies.

Formation. Memorandum and Articles of Association. Various kinds of shares. Debentures. Directors. Auditors. Winding-up.

Mining Cost.

Study of available data from different mining districts.

Accounts.

Record of expenditure at the mine. Time-book. Pay-roll. Cost-sheets. Classification of expenditure. Capital and capital expenditure. Revenue or profit and loss and appropriation accounts. Balance sheet. Depreciation. Reserve-fund. Payment of dividends. Critical examination of the published accounts of a mining company. Book-keeping and posting.

Causes of failure in Mining.

Book recommended.

(To be announced later.)

BACHELOR OF SCIENCE EXAMINATION IN MINING—PART II.

The Examination.

Advanced Mining. Two papers each of three hours' duration and each carrying a maximum of 100 marks.

Paper I—Boring, Development of Deposits, Methods of Working, Dressing of Minerals, Legislation.

Paper II—Breaking ground. Support of Excavations, Haulage, Drainage, Ventilation, Lighting, Mine Accidents.

Mining Plant and Machinery. One paper of three hours' duration carrying a maximum of 100 marks and Inspection of the Drawing Office work and of the record of the Laboratory and Workshop work of the candidate duly certified by the teacher in charge, carrying a maximum of 50 marks.

Mining Geology. One paper of three hours' duration carrying a maximum of 100 marks,

Mine Sampling and Valuation. One paper of three hours' duration carrying a maximum of 100 marks.

Economics of Mining. One paper of three hours' duration carrying a maximum of 100 marks.

METALLURGY.

(*Fourth Year*)

Bachelor of Science Examination in Metallurgy—Part II.

THE SYLLABUS.

Advanced Metallurgy.

Iron and Steel.

The course on Metallurgy of Iron and Steel prescribed for the Intermediate Examination in Mining and Metallurgy—Part I treated in greater detail and with the addition of the following:—

Modern developments of blast furnace practice.

Chemical and thermal reactions of the blast furnace.

Economy of the hot blast and the dry blast.

Heat balance of the blast furnace.

Metallurgical control of the blast furnace.

Calculation of furnace charges.

Irregularities of the blast furnace operation.

Utilization of the bye-products of the blast furnace.

Manufacture of charcoal pig-iron.

Constitution of pig-iron.

Modern developments of steel smelting practice,

Defects in steel and production of sound ingots and castings.

Rolling mill operations.

Mechanical treatment of steel.

Constitution of steel.

Tests and specifications of steel.

Alloy steels, properties and uses.

Foundry practice.

The iron and steel industry of India.

Non-ferrous Metals and Alloys.

Metallurgy of Copper, Lead, Zinc, Tin, Aluminium, Gold and Silver, and of their important industrial alloys. treated in greater detail than prescribed for the Intermediate Examination in Mining and Metallurgy—Part I, and with description of processes and plants used in India.

The Dressing of Minerals.

Fundamental principles. The more common methods and appliances used.

Books recommended.

“Metallurgy of Iron,” by T. Turner, Sixth Edition, 1920 (Charles Griffin), 18s.

“Metallurgy of Iron and Steel,” by Sexton and Primrose, Second Edition (Scientific Publishing Co., Manchester) 15s.

NOTE.—It is feared that this book by Sexton and Primrose has gone out of print. If so, substitute the following for it:—

“Metallurgy of Iron and Steel,” by Bradley Stoughton, Second Edition, 1913 (McGraw Hill) 20s.

“Metallurgy of the Non-Ferrous Metals,” by W. Gowland Third Edition, 1921 (Charles Griffin) 30s.

Advanced Assaying.*Sampling.*

General Considerations. Importance of sampling.

Ore Sampling.

Conditions controlling ore sampling.

Segregation of minerals. Degree of crushing.

Preliminary sampling by hand and mechanical methods. Grab and pipe sampling; coning and quartering; fractional shovelling. The Vezin sampler. The Jones sampler.

Drying, grinding and screening of sample. Check sampling. Salting of samples.

Laboratory sampling. The jaw crusher. Bucking plate and hammer.

Sampling ores carrying metallic particles.

Coal sampling.

Determination of moisture.

Metal Sampling.

Difficulties due to segregation. Sampling melted metals during pouring. Dip sampling. Bullion sampling.

Sampling by drilling, filing, and planing.

*Liquid Sampling.**Gas Sampling.*

Necessity of taking frequent samples. Choosing place of sampling. Removal of air from sampling apparatus. Methods of taking samples. Aspirating tubes. Sprengel pump. Filter pump. Aspirating bottles. Zinc vessels for sampling mine gases.

Assaying.

Select methods of carrying out the practical assaying work prescribed, with consideration of the principles involved.

Practical Work.

Any portion of the practical work on Assaying prescribed for the Intermediate Examination in Mining and Metallurgy—Part II or the Bachelor of Science Examination in Mining and Metallurgy Part I, if not carried out then for want of time.

As much out of the following as time permits—

Preparation of re-agents.. Testing re-agents for common impurities.

Iron ore. Complete analysis.

Limestone. Complete analysis.

Coke. Determination of ash.

Coke ash. Complete analysis.

Blast-furnace gas or producer gas—complete analysis.

Slag—complete analysis.

Pig-iron. Determination of carbon (free and combined), silicon, manganese, sulphur and phosphorus.

Ferro-manganese and Spiegeleisen. Determination of manganese and carbon.

Steel. Determination of carbon (free and combined), silicon, manganese, sulphur and phosphorus.

Alloy steels. Determination of manganese, nickel, chromium, tungsten, vanadium, and molybdenum.

Coal. Proximate analysis. Ultimate analysis. Complete analysis.

Flue Gas. Control of combustion by means of the Auto Carbon-dioxide Recorder.

Fuels. Determination of calorific power of solid and liquid fuels, using the Rosenhain, the Parr and the Emerson Bomb Calorimeters. Determination of calorific power of gaseous fuels, using the Simmance-Abady Gas Calorimeter.

Refractory Materials. Tests, fusibility and resistance to chemical agencies.

Assay of ores and most important alloys of copper, tin, lead, zinc, antimony, nickel and aluminium. Electrolytic assay of copper.

Book recommended.

"Metallurgical Analysis," by Lord and Demorest, Fourth Edition (McGraw Hill), 15s.

NOTE.

Each student will be provided at the commencement of this course with a set of general apparatus required for this course, together with a list showing the average cost prices of the various articles. He will be required to return the articles in good order and condition at the end of the course, with the exception of certain articles, considered as almost inevitably used up or broken in the course of the work, which may not be returned and which will be distinctively shown on the above list. For such of the articles as are due to be returned but are not returned, one-half of the prices shown on the list will be charged to the student. Should further quantities of any of these articles be required in the course of the work, they will be supplied against cash payment of one-half of the prices shown in the list. Students should mark all the articles thus supplied to them, plainly with initials or name.

Apparatus other than the above, required in the course of the work, will be issued from time to time and shall be returnable in good order and condition directly after the work for which it was issued is over. A safe will be provided in which platinum dishes, platinum crucibles and such other articles of a costly nature must be kept overnight if the work with them is not finished. Charging for damage to any such apparatus, as well as to any apparatus set apart for the common use of students such as balances, Kipp generators, ovens, bellows, furnaces, etc., will be at the discretion of the Head of the Department.

FUELS AND REFRACTORY MATERIALS.

Fuels.

The course on Fuels prescribed for the Intermediate Examination in Mining and Metallurgy—Part I treated in greater detail and with the addition of the following:—
Gross and net calorific values of fuels and their calculation.

Calorific intensity and its calculation.

Velocity of flame propagation in an explosive mixture.

Manufacture of charcoal with recovery of bye-products.

Composition and classification of coal.

Indian coals.

Combustion of coal.

Smoke, its production and prevention.

Deterioration, heating and spontaneous ignition of coal.

Coal briquettes.

Powdered coal as a fuel.

Modern coking practice. Recovery of bye-products.

Fuel oils, their composition and character.

Methods of burning oil fuel for metallurgical purposes.

Petrol and alcohol as fuels.

Gaseous fuels, their classification, composition, and calorific value.

Phenomena of surface combustion.

Theory of producer gas reactions.

Principal types of gas producers.

Cleansing of producer gas.

Suction gas.

Blast furnace gas. Cleansing blast furnace gas.

Fuel consumption and power production.

Economical consumption of fuel, Control of combustion

through composition of flue gases. Carbon-dioxide recorders. The Auto carbon-dioxide recorder.

Purchase of coal.

Refractory Materials.

The course of Refractory Materials prescribed for the Intermediate Examination in Mining and Metallurgy—Part I treated in greater detail and with the addition of the following:—

Relation between slags and refractory materials.

Properties necessary and desirable in refractory materials.

Manufacture of acid, basic and neutral refractories.

Refractory materials in India.

Shapes of refractory materials and their uses.

Tests of refractory materials.

Books recommended

“Fuel,” by J. S. S. Brame, Second Edition, 1919 (Edward Arnold), 15s.

“Refractories and Furnaces,” by F. T. Havard, 1912 (Mc Graw Hill), 25s.

Metallography and Pyrometry.

Introduction.

Microscopic Examination of Metals.

Preparation of specimens for the microscope. Choice of specimens. Cutting, grinding, and polishing. Etching.

The Metallurgical Microscope.

Illumination of metal surfaces. Optical system of the microscope. Limit of useful magnification. Adjustment and use of the microscope. Photomicrographic apparatus. Preparation of photo-micrographs.

Micro-structure of pure Metals and Alloys.

Typical structure of a pure metal. Formation of a crystalline aggregate. Freezing of a liquid and growth of dendrites. Crystal boundaries. Mutual solubility of liquid metals. Solid solution. Eutectiferous alloys.

Thermal Study of Metals and Alloys.

Thermal data as basis for constitutional diagrams. Methods of heating and cooling. Methods of measuring temperature. Thermo-couples, galvanometers, and potentiometers. Heating and cooling curves. Typical thermal curves of pure metal, solid solution, and eutectiferous alloy. Correlation of thermal curves with micro-structure. Equilibrium conditions. Liquidus and solidus. Typical constitutional diagrams and their connection with physical properties.

Typical Alloy-systems.

Lead-antimony, lead-tin, aluminium-zinc, zinc-copper and tin-copper systems. Their constitutional diagrams and micro-structures.

The Iron-Carbon System.

Constitutional diagrams. The liquidus and solidus. Gamma-iron and its transformations. The eutectoid pearlite, Allotropy of iron and its connection with the decomposition of the gamma-iron solid solution. Allotropic changes in iron in their relation to changes in hardness. Thermal changes in steels of various carbon content. Quenching experiments on steel. Hot etching of iron and steel. Critical points of steel. Micro-structures of carbon steels when slowly cooled, when quenched and tempered. Austenite, martensite, troostite, sorbite and pearlite. The hardening and tempering of steel. Theories of hardening; their bearing on hardening practice. Constitution and structure of white and grey cast iron. Graphite and temper carbon. Malleable castings. Case hardening

Pyrometry.

Introduction.

The constant volume gas thermometer.

Resistance Pyrometry.

General principles. Measurement of resistance by the differential galvanometer and by the Wheatstone bridge. Relation between resistance of platinum and temperature. Practical forms and uses of resistance pyrometers. Recorders.

Thermo-electric Pyrometry.

General principles. Metals used for thermal junctions. Electromotive force developed by typical junctions. Practical forms and uses of thermo-electric pyrometers. Advantages and disadvantages. Recorders, Brearley's curve tracer.

Radiation Pyrometry,

General principles. Black-body radiations. Practical forms and uses of radiation pyrometers.

Optical Pyrometry.

General principles. Practical forms and uses.

Fusion Pyrometry.

General principles. Seger pyramids or cones, Selection of pyrometers for particular purposes.

Practical Work.

Preparation of micro-specimens. Systematic examination of the micro-structure of metals and alloys, including pure metals, solid solutions, the aluminium-zinc series, brasses, bronzes, anti-friction alloys, steels, special steels, cast-irons and other alloys of industrial importance.

Photomicrography. Operation of the Leitz, the Reichert and the Swift photo-metallographic outfits.

Preparation of alloys of definite composition and study of their physical and mechanical properties.

Pyrometry. Standardisation of the principal types of resistance, thermo-electric, radiation, and optical pyrometers.

The potentiometer method of measurement for freezing point curves and critical points by direct and difference methods.

Manipulation of the leading types of industrial pyrometers.

Books recommended.

"Introduction to Physical Metallurgy," by W. Rosenhain
Second Edition, 1919 (Constable). 12s. 6d.

"Pyrometry" by C. R. Darling, Second Edition, 1920 (E. & F. N. Spon), 10s. 6d.

Mechanical Testing and Heat Treatment of Metals and Alloys.

Mechanical Testing—General principles.

Tensile Testing.

General considerations. Principle of machines used.
Direct counterpoise and hydraulic measurement machines. Data from tensile tests. Elastic modulus and elastic limit. Extensometers. Stress-strain diagrams.

Compression testing.

Torsion Testing.

General considerations. Machines used. Other pure shearing test: punching.

Bending and folding tests.

Ball hardness test. The Brinell machine.

Rebound hardness test: Shore's Scleroscope.

Alternating stress testing. Fatigue. Machines used.

Impact testing.

General considerations. Izod and Charpy testing machines.

Comparison of results for a series of alloys obtained by the various mechanical tests.

Effect of Strain on the Structure of Metals.

Relationship between the mechanical properties of metals and their internal structure and constitution. Elongation of crystals when metal is strained. Persistence of crystal-line structure. Mechanism of plasticity. Slipbands. Disturbance of crystalline arrangement under severe strain. Formation of amorphous layers. Hardening of metals by plastic strain.

Fracture and its mechanics under different conditions. Tensile, shock, and alternating stress fractures. Relation of fracture to micro-structure; fatigue fracture,

Crystal boundaries as a source of strength in a metal. Mechanism of cohesion at a crystal boundary. The amorphous cement theory. Brittle fracture of ductile metals at high temperatures. Behaviour of duplex alloys under strain.

Heat Treatment of Metals and Alloys.

Annealing. Softening and re-crystallization. Annealing of lead, tin, zinc, copper, gold, wrought iron and steel. Excessive annealing. Influence of prolonged heating on the mechanical properties of duplex alloys.

Heat-refining of steel. Influence of the critical points.

Practical bearing of a crystal growth and re-crystallization at the critical points of steel.

Burnt steel.

Heat treatment of special steels.

Hardening plant.

Practical Work.

Mechanical testing. The operation and use of mechanical testing machines. Tests in tension, compression, torsion, bending, hardness, impact, and alternating stress.

Heat treatment. The effect of the rate of cooling, normalising, annealing, quenching, tempering, and the presence of inclusion, on the mechanical properties and micro-structure of various metals and alloys.

Books recommended.

"Introduction to Physical Metallurgy," by W. Rosenhain, Second Edition, 1919 (Constable), 12s. 6d.

"Steel and its Heat Treatment," by D. K. Bullens, Second Edition, 1918 (John Wiley), 20s.

**Bachelor of Science Examination in Metallurgy—
Part II.**

The Examination.

Advanced Metallurgy. Two papers each of three hours' duration and each carrying a maximum of 100 marks.

Paper I—Iron and Steel.

Paper II—Non-Ferrous Metals and Alloys. Dressing of Minerals.

Advanced Assaying. One paper of three hours' duration carrying a maximum of 100 marks and a Practical Examination carrying a maximum of 100 marks.

The record of the Laboratory work of the candidate, duly certified by the teacher in charge, will be taken into

consideration in assigning marks for the Practical Examination.

Fuels and Refractory Materials. One paper of three hours' duration carrying a maximum of 100 marks.

Metallography and Pyrometry. One paper of three hours' duration carrying a maximum of 100 marks and Inspection of the record of the Laboratory work of the candidate, duly certified by the teacher in charge, carrying a maximum of 50 marks.

Mechanical Testing and Heat Treatment of Metals and Alloys
One paper of three hours' duration carrying a maximum of 100 marks and Inspection of the record of the Laboratory work of the candidate, duly certified by the teacher in charge, carrying a maximum of 50 marks.

The Previous Examination for the Degree of LL.B. 1924.

I. Constitutional Law of England and India:—

Dicey's Law of the Constitution.

Government of India Act of 1915 as amended by subsequent Legislation to be studied with special reference to the whole of part I, the whole of the part II, § 30 and 33 of part III, and § 36, 38 and 39 of part IV.

Books recommended:—

Ridge's Constitutional Law and Ilbert's Government of India (the Historical Introduction with the supplementary chapter).

II. Jurisprudence with Elements of Roman Law:—

Salmond's Jurisprudence.

Hunter's Elements of Roman Law.

Books recommended:—

1. Holland's Jurisprudence,
2. Maine's Ancient Law,

3. Bentham's Principles of Legislation, and

4. Buckland's Text-book of Roman Law.

III. *The Law of Contracts and Torts*:—

(i) *The Law of Contracts*:—

Anson's Law of Contracts,

The Indian Contract Act (Pollock and Mulla's Students' Edition), and

The Negotiable Instruments Act by Bhashyam and Adiga.

The following leading cases should be studied:—

1. *Mohori Bibee vs. Dharmodas Ghose*, I. L. R. 30 Cal., I. Q. B. 539 P. C.

2. *Carlill vs. The Carbolic Smoke Ball Coy* (1893), 256 C. A.

3. *Raffies vs. Winchelhans*, 33 L. J., Ex. 160.

Book recommended:—

Kenney's Cases on Contracts.

(ii) *The Law of Torts*:—

Underhill's Law of Torts.

The following leading cases should be studied:—

1. *Tuff vs. Wasman*, 26 L. J. C. P. 263 and 27 L. J. C. P., 322.

2. *Ganesh Dutt Singh vs. Mugneeram Chowdhry*, II, Bengal L. R., 321, P. C.

3. *Madras Railway Coy. vs. Zamindar of Carvante-nagrum* I. L. R., III, A. 364., P. C.

Book recommended:—

Pollock on Torts.

Ratanlal on Torts (Indian cases) and Radcliffe and Mile's Cases on Torts.

IV. The Law of Crimes and Criminal Procedure:—

The Indian Penal Code and the Code of Criminal Procedure (as amended) and

Macaulay's Note on the Indian Penal Code.

Book recommended:

Mayne's Criminal Law of India.

V. The Law relating to the succession of property—testamentary and intestate—other than Hindu and Mohammedan Laws on the subject:

Indian Succession Act. 1865, as amended.

Probate and Administration Act, 1881, as amended.

The Final Examination for the Degree of L.L.B.

I. The Law of Civil Procedure, Limitation and Evidence.

The Code of Civil Procedure (Mulla's Students' Edition).

The Indian Limitation Act (omitting schedules).

The Indian Evidence Act as amended with Stephen's introduction to the Indian Evidence Act.

Books recommended.

Best on Evidence.

Ameer Ali and Woodroffe's Introduction to the Chapters of the Indian Evidence Act.

II. Hindu Law:

Mayne's Hindu Law.

A knowledge of the texts either in the original or in translation will be specially required.

The following leading cases should be studied.

1. *Hanuman Prasad Pandey vs. Musammat Babooee Munraj Kunweree*, 6 M. I, A.; 393, P. C.
2. *Appovier vs. Rama Subba Aiyar and others*, II M. I. A., 75, P.C.
3. *Girja Bai vs. Sadashiv Dhundraj*, I. L. R. 43. Cal, 1031, S.C.L.R. 43. Ind. 151 and
4. *Sahu Ramchandra vs. Bhup Singh* (39 Allahabad 437. S.C.L.R. 44, Ind. App. 126)

Books recommended:—

Banerjee's Marriage and Stridhan.

Sarvadhikari's Hindu Law of Inheritance,

Sarkar's Law of adoption, and

Bhattacharya's Interpretation of Hindu Texts.

III. *Muhammadian Law:—*

Wilson's Digest of Anglo Muhammadian Law, from the beginning of part II to the end of the book.

Abdur Rahim's Principles of Muhammadian Jurisprudence, Chapters 1, 2, 3, 6, 8, 11 and 12.

The following leading cases should be studied:—

1. *Govind Dayal vs. Inayatullah*, I.L.R., 7, All 775, F.B.
2. *Khajooroonissa vs. Rowshan Jehan*, I. L. R. 2, Cal. 184 P. C.
3. *Jafri Begum vs. Amir muhammad Khan*, I. L. R. All, F. B.

IV. *Equity with special reference to the Law of Trusts and Specific Relief.*

The Indian Trusts Act (II of 1882).

The Specific Relief Act (I of 1877) as amended.

Story on Equity (English edition by Randall).

The following leading cases to be studied:—

1. *The Mussoorie Bank vs. A. C. Rayner*, I. L. R., 4, All., 500 P. C.
2. *Wilmott vs. Barber*, L.R. 15 Ch. Div., 96,
3. *Burn and Co. vs. MacDonald*, I.L.R., 35, Cal. 354.

Books recommended.—

Fry on Specific Performance,

Agnew's Law of Trusts in British India.

V. *The Law relating to Transfer of Property and the Law of Easements:—*

The Transfer of Property Act, 1882, as amended,

The Indian Easements Act, 1882, as amended.

The following leading cases to be studied:—

1. *Raja Nishen Dutt Ram vs. Raja Mumtaj Ali Khan*, I.L.R., 5, Cal. 198. P.C.
2. *Gokul Das, Gopal Das and another vs. Puranmal Preamsukhdas*, I.L.R. 10 Cal., 1085, P.C.
5. *Beni Ram and another vs. Kundan Lal and others*. I.L.R., 21 All., 496, P.C.

Book recommended:—

Story's Chapter on Mortgages.

Ghosh's Lectures on Mortgage (Vol. I.)

Goddard on Easements.

VI. *The Law relating to Land Tenures, Rent and Revenue:—*

Baden Powell's short account of the Land Revenue, and its administration in British India, with a sketch of the land

tenures. Provincial Legislation relating to rent and revenue for the province which a student will select.

VII. *The Law relating to Companies and Corporations.*

Buckland's Companies Act.

Topham on Companies.

MOOT COURTS.

Every candidate for the degree of Bachelor of Laws to be required during each session to attend six moot courts which to be a regular feature of the organisation for the study of Law at the University, as a necessary part of his preparation for the degree.

1925.

Admission Examination.

Same as in 1924 with the following changes etc.

I. Text books in English to be as follows:—

Books prescribed:—

1. *Poetry*:—

Thomson's Anthology of Verse for Indian Schools (Abridged edition for Schools—Macmillan).

2. *Prose*:—

KINGSLEY: *Heroes* (Blackie and Son's edition).

SWIFT: *Gulliver's Travels*, abridged and edited by G. C. Earle (Macmillan's English Literature for schools).

3. *Non-detailed study*:—

Stories from Tagore (Macmillan)

Ivanhoe edited for Schools by E. Smith.
(National Press, Allahabad).

II. Books recommended for paper I (a) Outlines of the History of England to be as follows:—

J. S. LAY: The English People (Macmillan & Co.).

or

C. W. C. OMAN: Junior History of England.

III. Text-books in Bengali to be as follow:—

(1) *Arya Kirti* by Rajani Kanta Gupta.

(2) *Katha-o-Kahini* by Rabindranath Tagore.

(3) The following selected poems from *Kuhu-o-Keka*.

- | | |
|------------------|-------------------|
| 1. Dhuli. | 6. Himalayastak. |
| 2. Mati. | 7. Sagar Tarpan. |
| 3. Gangarprati. | 8. Rishi Tolstoi. |
| 4. Baranasi. | 9. Kavi Prashasti |
| 5. Chhinnomukul. | 10. Amara. |

(4) *Bhasha-Bodha* by Nakuleshwar Bhattacharya.

(5) *At-ti-Galpa* by Rabindranath Tagore.

IV. Text books in Telugu to be as follows:—

Prose and Poetry:—Selections prescribed by the
Madras University for the year.

For supplementary reading:—

(1) *Bhasa Mahakavi Nataka Kathasaramu* by K.
Krishnamacharya (Macmillan).

(2) *Abraham Lincoln* by Hari Sarvothoma Rao M.A.

V. Add Assamese, Kanarese and Malayalam as new languages with the following courses prescribed under them:—

Assamese.

Paper I (Texts in prose and poetry).

- (1) *Sarathi* by Satyanath Bora,
- (2) *Sadhu Kathar Kuki* by Lakshminath Bezborā.
- (3) Poetical pieces in the *Sahitya Samgraha* by Padmanath Barua,
- (4) *Anjali* by Durgeshwar Sarma.
Grammar: *Vyakarana* by Hemchandra Barua.

Paper II—Composition.

Kanarese.

Poetry:—

Padyasara—Part I Stanzas 1—105 (Education Depot, Mysore).

Prose:—*Ramakrishna Paramahansa* by T. S. Venkanniyyu and A. R. Krishna Sastri.

Non-detailed Study:—

Kelavu Sanna Kathegake by M. Venkatesa Iyengar.

Karnataka Simhasana Samsthapane by Deshpande.

Malayalam.

Poetry:—

Disciple and the Son by Vallathol (Published by Vallathol Kala Sthapanam Vadakencheri, Cochin).

Prose:—

Marthanda Varma by C. V. Raman Pillay B. A., (B. V. Book Depot, Trivandrum).

Non-Detailed Study:—

Bhutarayana: by H.H. Appan Thambiran (Saratlawati Vilasam Book Depot, Trichur.

Gadyamalika Vol I (B. V. Book Depot, Trivandrum).

VI. Courses in Commerce to be as follows:—

Commerce.

Two papers, one on Book-Keeping and the other on Commercial Correspondence, each of three hours' duration.

Practical test in Type-writing carrying 50 marks.

Book-keeping—Double Entry System.

Principles and Advantages of Double Entry Book-keeping; Books used and their purposes. Cash Book, Petty Cash Book, Purchases Day Book, Sales Day Book, Returns Books, Bills Receivable and Payable Books, Journal; Ledger, Real, Personal and Nominal Accounts; Consignments-Inwards and Outwards. Simple Banking Transactions. Bank Reconciliation Statement. The preparation of Trial Balance, Trading and Profit and Loss Accounts, and Balance Sheet. The nature and use of Bills of Exchange and Promissory Notes. Provisions and Reserves; Suspense and Outstanding Accounts. Mercantile terms and abbreviations.

Books suggested:—ARTHUR FIELDHOUSE: Book-keeping Part I.

PITMAN: Book-keeping Simplified.

GRIERSON: Book-keeping.

Commercial Practice with Correspondence:—

Applications for situations and answering advertisements. Inward and Outward Correspondence control. Copying and Indexing. Letters, Filing and Indexing systems.. Drafting

of Simple Business and Official letters. Practices relating to customers' orders, Despatch, Shipping, Invoicing and Statements. Preparation of telegrams and cablegrams, including a knowledge of simple codes. Ordinary postal regulations, use of postal forms, such as Money Order, (inland and foreign), V. P. P. Acknowledgement, Registration and Insurance forms. Post Office Savings Bank accounts. Simple duplicating and other labour saving appliances. Ordering of Goods. Preparation of ordinary commercial documents, such as Invoices. Different forms of Bills of Exchange and Promissory Notes. Statement of Account and Account Sales. Simple Banking transactions involving the nature and use of cheques, paying in slips and Bank Pass Book.

Book suggested:—F. HEELIS: Import and Export Trade.
ARTHUR FIELDHOUSE: Commercial
Practice with Correspondence.

Typewriting:—

- (a) To type a manuscript letter of 200 words and a passage of 400 words at the rate of 20 words per minute— $\frac{1}{2}$ hour.
- (b) To type a tabular statement of not more than three columns— $\frac{1}{2}$ hour.

Also a practical examination to test the candidate's ability regarding the use and identification and the mechanical construction of the machine and its parts.

Intermediate Examination, 1925.

Same as in 1924 with the following changes:—

I. Text-books in English to be as follows:—

1. *Poetry*—

SHAKESPEARE: Julius Cæsar.

TENNYSON: *Lancelot and Elaine*.

MORRIS: *Atalanta's Race* (Longmans' Class Books of English Literature.)

2. *Prose*—

Representative Classical Essays (Omitting essays from Hazlitt and Lamb) Edited by Monk (Macmillan).

BOSWELL: *Life of Johnson* (Blackie's English Texts).

AUSTIN: *Pride and Prejudice* (abridged by H. A. Treble) (Macmillan's English Literature for Schools.)

3. *Non-detailed Study*:—

TAGORE: *Hungry Stones and other Stories* (Macmillan)

The Odeyssey of Homer by Butcher and Lang (School edition—Macmillan).

GOLDSMITH: *The Vicar of Wakefield*.

FOWLER: *British Orators* (Macmillan).

II. Courses in Marathi to be as follows:—

Marathi.

न्याय रानाडे—घर्मावर व्याख्यान

Ragini by V. M. Joshi.

Marathi Vangmayache Abhyas by H. N. Apte.

Kavya Anā Kavyodaya by P. N. Patwardhan.

III. Courses in Samskrit to be as follows:—

Sanskrit.**Paper I—**

- (a) Raghuvamsa—Cantos IV and XIII.
- (b) Venisamhara—Acts IV and V abridged (as in Prof. N. K. Bhattacharya's Astapuspika—Duryodhana nirveda).
- (c) Kadambari—The story of Mahasveta abridged (as in Prof. N. K. Bhattacharya's Astapuspika—Mahasveta—Vrittanta).

Paper II—

- (a) Vikramorvasiya (omitting the Prakrit songs of Act IV),
- (b) Bharthari—Nitisataka.

Paper III—

- (a) *Grammar*—Declension, Conjugation, Syntax, Compounds and Derivatives (*Krt* and *Taddhita*).
- (b) Translation from English into Sanskrit.

N. B.—Sanskrit to be written in the Devanagari Script.

IV. Under History, delete "A. W. POLLAND: A History of England (Home University Library).

V. Under Inductive Logic, add the words "the Deductive Methods of Induction," after the words "Methods of Induction" in para 2. Under "Books to be consulted" in Logic substitute. "WELTON: Groundwork of Logic". for "STOUT: Groundwork of Logic".

VI. Courses in Elementary Economics and Indian Administration to be as follows:—

MORELAND: Introduction to Economics for Indian Students.

HENRY CLAY: Economics for the General Reader.

ANDERSON: The Indian Constitution.

Reforms Act of 1919 and the Reports of the Joint Committee.

Books for consultation:—

Imperial Gazetter Vols. III and IV.

CHISHOLM: A Handbook of Commercial Geography.

N. B.—Students expected to possess a sound knowledge of Indian Economic Geography.

VII. Add Civics as a new subject with the following courses prescribed under it:—

Paper I. General Principles of Civics.

Nature—scope—Relation to History, Politics, Ethics, Social Science, Social Philosophy.

Humanity—Race—People—Nation—Community—Society—Family—Individual—The social unit—His social position and relations—His rights, duties, and obligations.

State—Government—Origin of Government—Forms of Government—Functions of Government—Uses of Government.

Books recommended:

1. Thomas Raleigh—Elementary Politics.
(Oxford University Press.)
2. E. M. White—Philosophy of Citizenship.
(George Allen & Unwin).

Paper II—Indian Citizenship.

The Land—Physical features—a geographical Unity—influence of these on the life of the people—and on the other people—and vice versa—Relation to other geographical areas—Place in the world from the point of view of material resources.

Consciousness of the geographical unity among the people from the earliest times to the present day—Hindu times—Mahomedan period—Present day.

The people—the movements of peoples—the human reservoir—the races of man.

The elements in the population—aboriginal—Dravidian—Aryan—Hellenic—Hellenistic—Scythian—Mongolian—Mohamedan, including Turkish, Persian, Afghan, Arabian—European, including Portuguese, Dutch, French, British—Mutual influence of these—the fusion of races—its progress during historical times and the conditions that attended it—its retardation during modern days and the causes of this—the outlook for the future.

Cultural Unity—Languages—creeds—art—modes of life—food—dress—habits of thought and feeling and out-look on life—many tongues and beliefs but one life.

Eastern and Western Civilization—Asiatic and European culture—the meeting place of world cultures—the fusion of cultures—the dominant note of India and India's place in world civilization—in the past—in the future.

Religious life. I. Hinduism (i) Vedic (ii) Jainism (iii) Buddhism—an aspect of Hinduism—no irreconcilable distinction—no persecution—foreign influences—world religion—Contributions of Buddhism and Jainism to Hinduism (iv) Pauranic Hinduism.

II. Mohammedanism.

III. Christianity.

The Bhakti movements—in South India—in Maharashtra—in Northern India—in Bengal—the reapproachment between Hinduism and Mohamedanism—Kabir, Nanak, etc.—Sikhism—modern developments and sects—Arya Samaj—Brahmo Samaj.

Place of religion in national life—the distinctive note of India—India's message to the religious world—the hope of the future,

Social Life—*Caste*—origin—development—use and value—strength and weakness—Place in social organisation—the future—*Family*—the Basis of Ancient Society—the Hindu Joint family—its function—its present condition—its future—family and social morality and cohesion—other *social groups*—Provincialism and communalism—the question of inter-communal unity.

Characteristic social customs—marriage—the position of woman—purdah—the Depressed Classes—the problem of untouchability—other customs—the general tone of social life—the Reform movement—imitation—revival—reconstruction adaptation of basic principles of life to new needs—social reform in its national aspect apart from its communal aspect.

Sanitation and Hygiene—medical relief—social service—methods, indigenous and adopted—the growth of the social conscience.

Economic life—The Material Resources of India.

I. *Agriculture*—its place in national life—its organisation in its historical development—Land revenue administration at various epochs—the Village Panchayets—their history, present condition and future prospects.

II. *Industries*—Historical development—Ancient guilds—contrast with the West—adoption of Western forms of organisation—Industrialisation—use and abuse—benefits and dangers—place in national life—Industry and Art—manual labour and machinery—cottage industries—the future of industry.

III- *Trade and Commerce*—History—ancient guilds—regulation of trade—Ancient Shipping, commerce and maritime enterprise—colonization—the place of Eastern commerce, in

the world history, Indian commerce past and present—the needs of the future.

IV. *Emigration*—Indians outside India—the Imperial problem of emigration—Its prospect.

Intellectual life—Literatures, ancient and modern—their characteristic Indian note—the question of common language and script.

Aesthetic life—Art—the distinctive note of Indian Art—sculpture—painting—architecture—music—foreign elements—the synthesis of many elements by a common spirit.

Education—Hindu Education—intellectual development in philosophy, science, art, literature and all other branches of knowledge and thought—Education in Mohamedan times—Education to-day—the question of National Education.

The Press and the Platform—Freedom of speech—public education—responsibility of the press and public agitation.

Political life. The Hindu State—Prolific experimentation in forms of political administration—advanced views in administration—the Ideal form of Government—*The Moham-medan State*—the Islamic State—the place of Akbar—Mohammedan contribution to Indian Political Life—contribution of the Marathas—contribution of the Sikhs.

British Administration in India—the Problem of Indian Swaraj,

India's place in the Commonwealth—International position,

Books recommended.

1. ANNIE BESANT: India—a nation.
2. SISTER NIVEDITA: Civic and National Ideals.

3. MARRIS AND GARNER: Civil Government.
4. ANDERSON: British Administration in India.

VIII. Courses in Zoology to be as follows:—

ZOOLOGY.

Definition and scope of Zoology. Nature of Protoplasm. The structure and life-history of Amoeba. Structure of the Cell; Cell-division and Gametogenesis: Conjugation and Fertilisation. Segmentation and formation of germ layers. Structure and functions of the animal tissues, Structure and life-history of Hydra, Pheretima or Eutyphceus, and Cockroach.

The Anatomy and Osteology of the Frog and the Rabbit.

The elementary physiology of the various organs, as illustrated by the Frog and the Rabbit.

Main features of the larval history of the Frog.

The embryonic membranes and placenta of the foetus of Rabbit.

A general classification of the Animal Kingdom with the characteristics of the principal phyla.

Practical Work.

The candidates will be required to examine microscopically, to dissect and to describe the animals named in the syllabus. They are also expected to keep a record of all practical work done in the Laboratory in the note-book which will be liable to examination by the University examiners.

The following books are suggested:—

BORRADAILE: Manual of Zoology (Oxford Med. Pub.)

MARSHALL: Frog.

MARSHALL AND HURST: Practical Zoology.

PARKER AND BHATIA: Text-book of Zoology for Indian Students.

G. C. BOURNE: Comparative Anatomy of Animals in 2 Vols. (G. Bell & Sons).

B. A. Examination, 1925.

Same as in 1924 with the following changes.

I. Courses in English to be as follows:—

English.

ORDINARY COURSE.

FOUR papers in all, each of three hours' duration, two in text-books—poetry and prose respectively and two in essay-writing, one general and the other relating to books prescribed for general study. The books prescribed in poetry ordinarily to include one of the more difficult plays of Shakespeare, and some selections from Milton. The books for non-detailed study as far as possible, to be representative of narrative, descriptive, expository and persuasive composition.

N. B.—Alternative questions to be set, at least to the extent of half the number of questions in each paper.

1. Poetry.—

SHAKESPEARE: Othello and Twelfth Night.

MILTON: Lycidas

WORDSWORTH: Ode on the Immortality

BROWNING: Rabbi Ben Ezra

TENNYSON: Palace of Art.

SHELLEY: Adonais.

} Palgrave"
} Golden
} Treasury.

Prose.—

RUSKIN: Sesame and Lilies.

BURKE: Selections with Essays by Hazlitt, Arnold and others edited by A.D. Hughes (Clarendon Press)

Essays in Modern English, Edited by Page and Rieu pages 1-187 (Oxford University Press).

on-detailed study.—

STANLEY CASSON: Ancient Greece (Oxford University Press).

GEORGE ELLIOT: Mill in the Floss.

ROSEBERRY: Napoleon the last Phase (Nelson's Library)

BALFOUR: Passages in his Non-Political Speeches. (Longmans.)

NEWMAN: Literary Selections (Longmans).

HONOURS COURSE.

In addition to the papers of the Ordinary Course there is to be a special paper of three hours, carrying 100 marks.

One of the following groups of books in addition to those prescribed for the Ordinary Course to form the subject of the examination.

RALEIGH: Shakespeare (English Men of Letters Series).

BRADLEY: Shakespearean Tragedy.

DOWDEN: Shakespeare's Mind and Art.

Or

Palgrave's Golden Treasury of Songs and Lyrics Ed. C. B. Wheeler (Oxford University Press) Book IV and Additional Poems.

NORMAN HEPPLE: Lyric Forms in English (Cambridge University Press).

ERNEST RHYS: English Lyric Poetry, (Channels of English Literature.)

ERNEST RHYS: A Century of English Essays (Everymen's Library).

HUGH WALKER: English Essay and Essayists (Dent)
 PEACOCK: English Prose, Parts IV and V (Oxford
 University Press),

II. Courses in Samskrit, Pali, Hindi, Bengali, and Marathi
 to be as follows:—

Samskrit.

N. B.—Samskrit to be written in the Devanagari script.

ORDINARY COURSE.

THREE papers, each of three hours' duration.

Paper I.—

- (a) Selections from the Veda: Rg. Veda III 61, VII.
49, X. 121.
- (b) Uttara Ramacharita.
- (c) Kadambari—Kathamukhaprakarana.

Paper II.—

- (a) Kavyadarsa of Dandin omitting the Chapter on
(शब्दालङ्कार)
- (b) Kiratarjuniya—Cantos IV and V.
- (c) Macdonell's History of Samskrit Literature;
Chapter X to the end.

Paper III.—

- (a) Unseen passages for translation from Samskrit into
English.
- (b) Translation from English into Samskrit.

HONOURS COURSE.

In addition to the papers of Ordinary Course there to be
 a further paper of two hours' duration on the books noted
 below and a *viva voce* test based on the same;—

(1) Kavya Prakasa. Chapters I, II and X.

(2) Tarkabhasa.

Or

Manusmṛiti—Chapters I to VII.

Or

Bhagavadgita.

Pali.

THREE papers each of three hours' duration.

Paper I.—

(1) Dhammapada.

(2) Dighanikaya Part I.

Paper II,—Andersen's Pali Reader.

Paper III.—

(a) Unseen passages for translation from Pali into English.

(b) Unseen passages for translation from English into Pali.

(c) Grammar.

Books recommended :—

E. Muller's Pali Grammar.

Kaccayana-Pali Grammar.

HINDI.

(1) *Mudra Raksasa* by Bharatendu Harishchandra,
(Khadgavilas Press).

(2) *Hindi Nibandhmala* Part II.

(3) *Bharata Bharati* by Maithili Sarana Gupta.

(4) *Sahitya Sumana* by Bala Krishna Bhatta.

BENGALI.

- (1) *Karma-Katha* by Ramendra Sundar Trivedi.
- (2) *Nibhrta-Chinta* by Kali Prasanna Ghosh.
- (3) *Prachina Sahitya* by Rabindra Nath Tagore.
- (4) *Kapala Kundala* by Bankim Chandra Chatterji.

MARATHI.

Nibandhamala by V. K. Chiplunkar. निबन्ध १, २, ४, ७, ८, ११, १२, १४, and १७.

Subhasita ani Vinoda by Kelkar.

Maratha ani Ingrej by Kelkar.

Bhava Bhandhana by Garkari.

Sharada by Devala.

Courses in Political Economy and Political Philosophy to be as follows:—

Political Economy and Political Philosophy.

THREE papers as noted below, each of three hours' duration, a fourth paper of three hours for the Honours course.

Ordinary Course.

Papers I and II.—Principles of Economics:—

Note.—Parts I. & IV in the following syllabus to form Paper I and Parts II and III to form Paper II.

Part I:—CONSUMPTION, PRODUCTION, EXCHANGE AND DISTRIBUTION:—

Introductory:—Nature and Scope of Economics, Scope and Method of the Science.

Consumption:—Nature of Consumption. Wants, Conception of Utility, and Value, Diminishing Utility, Con-

sumer's Surplus, Elasticity of Demand. Production:—General conception, Factors of Production, Population, Organisation for Production, Business Cycles, Causes of Variation in Productive Power.

Exchange:—Demand and Supply, Market value and Normal value, Marginal Utility, Value of Money, Value in relation to Production, Exchange, Distribution and consumption, Different Theories of Value, Monopoly Value.

Distribution:—Income, Distribution between individuals and classes, causes of Variation in wages, profits, interest and rent.

PART II:—MONEY, BANKING AND EXCHANGE:—

Money:—Origin and Functions of money, Metallic Money, Monometalism and Bimetalism, Paper money, the Indian Currency system.

Banking:—Function of Banks, Banking Operation, Discount Rate. Regulation of Banking, Centralised and decentralised Banking. Prices and Value, Index of numbers' Exchange:—Foreign Exchanges, the Indian Exchange, Inland remittance, International Trade, Tariffs and Preferences.

Stock Exchange, Speculation, Commercial Fluctuations, Financial Crises.

PART III:—STATE INTERVENTION AND FINANCE:—

State Intervention:—State and the regulation of Industry. Factory Acts and Protection of the worker, Trade Union and the State, State Assistance to Agriculture and Industry, Public ownership and control, Socialism.

[Finance:—Duties and expenses of the State, Budgets, Imperial, Provincial and Local Finance.

Theories of Taxation, Incidence of Taxation, Methods of raising taxes, Loans and the Indian Debt.

Note:—The whole to be illustrated as far as possible by reference to past and present conditions of India.

PART IV :—INDIAN ECONOMIC ORGANISATION ;—

Indian Economic Position, Natural Resources, Stage of Development, Population, Poverty and Famines.

Social Structure. Economic influences of Family and Caste, Village economy, organisation for Agriculture and Industry, Land tenures and Land holdings. Agriculture Indebtedness, Co-operation, Irrigation, Railways and other forms of transportation.

Paper III :—Political Science :—

Part I. Elements of Politics :—

Scope and Method of the Science, Relation to other Sciences, the Theory of the State, Theories of the Origin of the State, Sovereignty of the State, Individual liberty, International relations, Forms of the State, Separation of Powers, the Executive, the Legislature, the Electorates, Party System, the Judiciary, Federal system. Colonial Government, Local Government, the Functions of Government, Individualistic Theory, Socialistic Theory, the Modern State.

Part II :—The British Constitution :—

The meaning of the Constitution, Classification of constitutional salient features of the British constitution.

The Executive in England, the Crown, the Cabinet, the Civil Service.

The Legislature, the House of Lords, the House of Commons, Parliamentary Procedure, Party system in England. Franchise.

The Judiciary, Local Government. the State and the Empire :—Dominions, Colonies and Dependencies.

Part III—The Indian Constitution:—

Salient features of the Indian Constitution, Evolution of the constitution, Beginning of British control, Parliament and Indian Affairs, the Secretary of State and the India Council, Whitehall and the Government of India, the Viceroy and the Imperial Executive Council, the Government Secretariat. Functions of the Government of India, Relation with Provincial Government, the Governors and other Heads of Provinces, Executive Councillors and Ministers, Sphere of Provincial Government, History of the Legislatures, Morley-Minto Councils, the Reformed Councils, Relation of the Executive and the Legislature, the Indian and Provincial electorates. Communal Representation, Growth of Parties in the Constitution, Central and Provincial Finance, Local Self-government, Indian States and their place in the constitution.

The Indian Political Problem, Schemes of Reform and Development.

Books recommended:—

- (1) Marshall: Economics of Industry.
- (2) Chapman: Outlines of Economics.
- (3) Gide: Principles of Political Economy.
- (4) Withers: Meaning of Money.
- (5) Keynes: Indian Currency and Finance.
- (6) Jevons: Money, Banking and Exchange in India.
- (7) Armitage Smith : Principles and Methods of Taxation.
- (8) Morrison: Industrial Organization of a Province.
- (9) Imperial Gazetteer Vol. III.
- (10) Kale: Indian Economics.
- (11) Leacock: Elements of Political Science.
- (12) Marriot: English Political Institutions.

- (13) Montague-Chelmsford Report on Indian Constitutional Reforms.
 (14) Bose: The Working Constitution of India.

Honours Course.

PAPER IV:—

(Indian Trade Review and the Financial Statement for the two years immediately preceding that in which the examination is held.)

CUNNINGHAM: Western Civilisation in its Economic Aspects, Vol. II—Modern Times.

TAUSSIG: Some Aspects of the Tariff Problem.

LEES SMITH: India and the Tariff Problem.

For further consultation:—

CHAMBERLAIN'S Commission Report on Indian Currency.

The latest Decennial Moral and Material Progress Report.

M. A. Examination, 1925.

(Same as in 1924 with the following changes)

I Courses in Samskrit to be as follows:—

Samskrit.

Eight papers, each of three hours' duration. Of these five compulsory and three to be chosen from any of the groups at the option of the candidate. Also a viva voce Examination.

Compulsory:—

Paper I.

- (a) Rig Veda Selections: I-25, I-154, II-12, V-83, VII-83, VII-86, X-14, X-90.

- (b) Paraskara Grhya Sutras.
- (c) Macdonell's History of Samskrit Literature.
Chaps. I—IX.

Paper II,

- (a) Sarvadarsana Sangraha: chs. on Bauddha, Arhata, Ramanuja, Patanjala, Jaimini and Sankara Darśanas (the last as in the Ananda-shrama Edition.)
- (b) Sankhyakarika
- (c) Bhasa parichheda.
- (d) Arthasangraha.

Paper III.

- (a) Sisupalavadha—Cantos I & II.
- (b) Sakuntala.
- (c) Kadambari—Purva bhaga.
- (d) Siddhanta Kaumudi—Karaka, Samasa and Taddhita.

Paper IV.

- (a) Prakrita Prakasa.
- (b) Bhandarkar's Wilson Philological Lectures II and III.
- (c) Karpura Manjari.
- (d) Imperial Gazetteer Vol. II Ch. I on Epigraphy.

Paper V.

- Composition—(a) Translation from English into Samskrit.
- (b) Essay in Samskrit on a subject connected with the group which the candidate has selected.

In lieu of paper V (Composition) the candidate could offer a thesis connected with any of the subjects which he read for his examination:

GROUP A.

Paper VI

- (a) Selections from Vedic Samhitas Rgveda ~~mandala~~, Yajurveda Adh. 16; Atharvaveda I and II.
- (b) Aitareya Brahmana—Panchika VIII.
- (c) Taittiriya Aranyaka—Prapathakas I-III.
- (d) Chandogya Upanisad.

Paper VII

- (a) Nirukta—Adhs. I and VII.
- (b) Sayana's Introduction to his Rgveda Bhasya.
- (c) Brihaddevata.

Paper VIII

- (a) Rk. Pratisakhya.
- (b) Vaidiki Prakriya (Siddhanta Kaumudi).
- (c) Macdonell's Vedic Grammar for Students.
- (d) Bhandarkar's Wilson Philological Lectures.
- (e) Dr. Gune's Introduction to Comparative Philology.

GROUP B.

Paper VI

Siddhanta Kaumudi of Bhattoji Diksita or Astadhyayi with Kasika.

Paper VII

Patanjali's Mahabhasya—Navanhika.

Paper VIII

- (a) Bhartrhari's Vakyapadiya.
- (b) Vaiyakarana Bhusana Sara.
- (c) Durghata—Vrtti.

GROUP C.

Paper VI

Buddhacharita—Cantos I—VIII.

Naisadha Charita—Cantos I—III.

Hirasaubhagya—Cantos XIV—XVII.

Harsacharita.

Visvagunadarsa.

Paper VII

Svapna-Vasavadatta.

Mr̥ichchhakatika.

Malatimadhava.

Mudraraksasa.

Venisamhara.

Anargharaghava.

Balaramayana

Prabodhachandrodaya.

Paper VIII

Kavyaparakasa.

Dasarupaka with Dhanika's commentary (omitting the illustrations)

Rasagangadhara—Ch. on Alamkara (from वपमा-लङ्कृति to end).

Bharata's Nāṭyaśāstra—Chs. I, II, V, VI, VII.

GROUP D.

Paper VI

(a) Apastamba Dharmasūtras.

(b) Baudhayana. „

(c) Vasiṣṭha „

Paper VII

- (a) Manusmṛti with the commentaries of Medhatithi and Kulluka.
- (b) Nārada Smṛti.

Paper VIII

- (a) Mitākṣara and Mayūkha on Yājñavalkya's Vyāhavarādhyaya.
- (b) Jīmūtavahana's Dayabhāga.
- (c) Viramītrodaya.

GROUP E.

Paper VI

- (a) Taittirīya Samhita—Prapathaka I with Bhasya.
- (q) Taittirīya Brahmana—Prapathaka I with Bhasya.
- (c) Kātyāyana Śrauta Sūtras.

Paper VII

- (a) Sābara Bhasya—Adh. I—III.
- (b) Tantra Vartika—Adh. I.
- (c) Jaiminiya Nyayamala Vistara.

Paper VIII

- (a) Prakaraṇa Panchika.
- (b) Sastra Dipika 3-12.
- (c) Mīmāṃsa Nyayaprakāśa of Apodeva.

GROUP F.

Paper VI

- (a) Gautama Sūtras with Vātsyāyana Bhasya.
- (b) Nyaya Vartika—I.

Paper VII

- (a) Nyayamanjari—ch. on Prameya.
- (b) Kusumanjali with Haridasi.

- (c) Nyayabindu.
- (d) Pariksamukha sutra.

Paper VIII

- (a) Vaisesika sutras.
- (b) Prasastapada Bhasya.
- (c) Nyaya muktavali.

GROUP G.

(Sankhya-yoga).

Paper VI

- (a) Kathopanisad with the Bhasya of Sankaracharya
- (b) Svetasvatara Upanisad with commentary.
- (c) Bhagavadgita with the commentaries of Sankara and Ramanuja.

Paper VII

- (a) Sankhya-tattva Kaumudi.
- (b) Sankhya Sutras with Sankhya pravachana Bhasya.

Paper VIII

- (a) Yoga Upanisads.
- (b) Yogasutras of Patanjali with Vyasabhasya and Vachaspati Misra's commentary.
- (e) Yogavartika.

GROUP H.

Paper VI

- (a) Brihadaranyaka V—VIII.
- (b) Chhandogya Upanisad with Sankara Bhasya.
- (c) Bhagavad Gita—with the commentaries of Sankara and Ramanuja.
- (d) Mandukya Upanisad—Karika of Gaudapadacharya.

Paper VII

- (a) Brahma Sutras with the Bhasya of Sankaracharya
- (b) Anubhasya I. I—3.
- (c) Tattvatraya.

OR

- (a) Brahma sutras with the Sri Bhasya of Ramanujacharya.
- (b) Anubhasya I. I—3
- (c) Sankaracharya's Dasasloki with Siddhanta Tattvabindu.

OR

- (a) Brahmasutra with Anubhasya of Vallabhacharya.
- (b) Tattvatraya.
- (c) Sankaracharya's Dasasloki with Siddhanta Tattvabindu,

Paper VIII.

- (a) Panchadasi—Chs. VI—VIII.
- (b) Vedanta Paribhasa.
- (c) Siddhantalessa.
- (d) Jivanmukti-viveka.

GROUP I.

(Jainism.)

Paper VI.

- (a) Acharanga.
- (b) Uttaradhyayana.

Paper VII.

- (a) Tattvarthadhigama Sutras with Bhasya.
- (b) Rajavartika Adhyayas I & IV.

Paper VIII.

- (a) Dravyasangraha.
- (b) Syadvadamanjari.
- (c) Saptabhangi tarangini.

GROUP J.

Epigraphy and Palaeography.

Paper VI.

- (a) Asoka Inscriptions.
- (b) Buhler's Indian Palaeography.
- (c) Archæological Reports on Taksasila, Isipatana, Savatthi, Rajagṛha, Kusinara, Bhita, Nalanda, Pataliputra and Ahichakra.

Paper VII,

- (a) Hathigumpha Inscription of Kharavela.
- (b) Inscriptions of the Satavahana Dynasty.
- (c) Rapson's Ancient Indian Coins.

Paper VIII.

- (a) Gupta Inscriptions.
- (b) Cunningham's Ancient Indian Geography with later identifications.

II. Courses in English to be as follows:—

English.

NINE papers for the M. A. Examination, each of three hours' duration. Two papers in Poetry, one in texts from Chaucer to the end of the 18th century and the other in texts of the 19th and 20th centuries. Two corresponding papers in Prose, and two in Drama, one on at least four representative plays of Shakespeare and the other on other specimens of English Dramatic Literature. Also a paper on representative

specimens of English Criticism, and two others, one in the History of English Literature and the other in Essay-writing, on an advanced literary subject. A knowledge of the History of English literature demanded of the student, not only in the special paper on the subject, but also on all the papers on text-books, and the examination in Shakespeare to include a general acquaintance with Shakespearian Art and Criticism. Also a viva voce examination covering the entire course prescribed.

N. B.—Alternative questions to be set at least to the extent of half the number of questions in each paper

1. *Poetry*—Part I.

CHAUCER: Prologue.

MILTON: Paradise Lost Books I—IV.

POPE: Essay on Criticism.

SPENSER: Fairie Queen Book I.

2. *Poetry*—Part II.

PALGRAVE: Golden Treasury Book IV (selections from Wordsworth, Byron, Shelley and Keats).

WARD: English Poets Vol. V (selections from Tennyson, Browning, Morris, Swinburne and Meredith).

3. *Prose*—Part I.

BACON: Essays,

ENGLISH ESSAYS: Selected by Peacock, Bacon to Goldsmith (Oxford University Press).

MILTON: Arcopagitica.

ADDISON: Selections from the Spectator (Edited by Lobban, Cambridge University Press).

FIELDING: Tom Jones.

AUSTEN: Sense and Sensibility.

Prose—Part II.

MACAULAY: Essay on Milton.

ENGLISH ESSAYS: Goldsmith to Stevenson, selected by Peacock (Oxford University Press).

HAZLITT: Selected Essays, Ed. by Simpson (Cambridge University Press).

RUSKIN: Seven Lamps of Architecture.

DICKENS: David Copperfield.

HARDY: Jude the Obscure.

5. *Drama*—Part I (Shakespeare.)

King John.

Much Ado About Nothing.

Macbeth.

The Tempest.

Books recommended:—

SIR SIDNEY LEE: Life of Shakespeare.

SIR WALTER RALEIGH: Shakespeare.

DOWDEN: Shakespeare's Mind and Art.

BRADLEY: Shakespearean Tragedy.

MOULTON: Shakespeare as a Dramatic Artist.

6. *Drama*—Part II.

BEN JOHNSON: Everyman in His Humour (Ed. by Percy Simpson, Clarendon Press).

SHERIDAN: The Rivals.

SWINBURNE: Atalanta in Calydon.

BERNARD SHAW: Candida.

Books recommended:—

SHELLING: English Drama (Dent's Channels of English Literature).

WARD: Dramatic Literature.

7. *Criticism.*

SAINTSBURY: *Loci Critici*.

Books recommended:—

SAINTSBURY: History of English Criticism.

HUDSON: Introduction to the Study of Literature.

COURTHOPE: Life in Poetry and Law in Taste.

ARISTOTLE: Poetics translated by Butcher with commentary (Macmillan.)

MOULTON: Modern Study of Literature (University of Chicago Press),

COLERIDGE: *Biographia Literaria* edited by George Sampson (Cambridge University Press),

8. *History of English Literature.*

Books recommended:—

SAINTSBURY: History of English Criticism.

LANG: History of English Literature.

For reference:—

WARD: English Poets.

CRAIK: English Prose.

MORLEY: English Men of Letters Series.

HUDSON: Introduction to the Study of Literature (Harrap.)

COWL: Theory of Poetry in England (Macmillan).

HEPPLE: Lyrical Forms in English (Cambridge University Press.)

COURTHOPE: History of English Poetry.

CHAMBERS' Cyclopædia of English Literature.

Cambridge History of English Literature.

Oxford Book of English Verse.

PALGRAVE: Golden Treasury.

9. *Essay.*

III. Courses in Philosophy to be the same as in 1924 with the following alterations:—

Paper IV General Philosophy.—Omit from the list of books recommended for study:—

MARVIN: Introduction to Philosophy.

JAMES: Meaning of Truth.

And add to the list—

KULPE: Introduction to Philosophy.

PERRY: Present Philosophical Tendencies.

JOACHIM: The Nature of Truth.

Omit from the list of books for consultation—

SPENCER: First Principles.

BRADLEY: Appearance and Reality.

JAMES: Pluralistic Universe.

And add to the list—

JAMES: Meaning of Truth.

BOSANQUET: Contemporary Philosophy.

Essays in Neo-Realism.

Essays in Critical Realism.

Group A—(c)—Ethics and Sociology.

Paper V—Omit from the list of the books recommended for study:—

WUNDT: Ethics.

ROGER: Short History of Ethics.

And add to the list—

MOORE: Principia Ethica (2nd Edition.)

WUNDT: Ethical systems.

Omit from the list of books for consultation—

STERRET: Ethics of Hegel.

SIDGWICK: Methods of Ethics.

And add to the list—

SORLEY: Recent Tendencies in Ethics.

Paper IV—Omit from the list of books recommended for study:—

WARD: Pure Sociology.

FAIRCHILD: Applied Sociology.

And add to the list—

SMALL: General Sociology.

DEALEY: Sociology—Its Development and Application.

Omit from the books for consultation and the above paper (Paper IV).

MAINE: Ancient Law.

TARDE: Social Logic.

BALDWIN: Social and Ethical Interpretation of Mental Development.

FRAZER: Psyche's Task.

M. C. DOUGALL: Social Psychology.

And add to the list—

PARK AND BURGESS: An Introduction to the Science of Sociology.

M. C. DOUGALL: The Group Mind.

WARD: Dynamic Sociology.

IV. Text-books for paper IX in Hindi to be as follows:—

(BENGALI).

- (1) *Sonar Tari* by Rabindra Nath Tagore.
- (2) *Alo-o-chhaya* by Mrs. Kamini Rai.
- (3) *Sarada Mangala* by Bihari Lal Chakravarty.
- (4) *Prabhata Chinta* by Kali Prasanna Ghosh.
- (5) *Manava Tattwa* by Bireshwar Pande,
- (6) *Durgesh Nandini* by Bankim Chandra Chatterji.
- (7) *Chandra* by Girish Chandra Ghosh.

(URDU).

- (a) Prose—*Ude Hindi* by Ghalib.
- (b) Poetry—*Musaddas-e-Hali*.
- (c) Literary History—the first one hundred and twenty eight pages of *Ab-e-Hayat* and *Muqaddamay-e-Sher-o-Shairi* by Hali,
- (d) Grammar—*Qavaid-e-Urdu* by Maulvi Abdul Haq, Anjuman Taraqqiy-e-Urdu, Aurangabad (Deccan).

V. Add Ancient Indian History and Culture as a new subject with the following courses prescribed under it.

Eight papers, each of three hours' duration

PAPER I—History—Vedic and Buddhistic Periods.

Books recommended :—

DUTT: Civilization of Ancient India.

Cambridge History of Ancient India Vol I.

P, T. S. IYENGAR: The Age of the Mantras.

PAGITER: Dynasties of the Kali Age.

Ancient Indian Historical Tradition.

D. R. BHANDARKAR: Carmichael Lectures.

Asoka Inscriptions.

Hathigumpha Cave Inscriptions of Kharavela.

Mc CRINDLE: Megasthenes and Arrian.

FICT: Social Organisation in Budha's time.

CUNNINGHAM; Ancient Geography of India with later identifications.

PAPER II History—The Epic Age and the Gupta Age
Books recommended:—

DUTT: Civilization of Ancient India,

RAWLINSON: India's Intercourse with the Western World.

C. V. VAIDYA: Mahabharata, a criticism.

„ : The Riddle of the Ramayana.

„ : Epic India.

Inscriptions of the Gupta-Kings.

RAPSON: Ancient Indian Coins.

C. V. VAIDYA: History of Medieval Hindu India.

South Indian Inscriptions.

SIR R. G. BHANDARKAR: History of the Early Deccan.

C.V. IYENGAR: Ancient India.

Dr. LEGGE: Fa Hian.

WALTER: Yuan Chwang.

Dr. TAKAKASU: Itsing.

PAPER III. Religion and Philosophy—Brahmana.

Books recommended:—

Selections from the Vedic Sāmhitas, Brāhmaṇas, Aranya-
kas and Upanisads.

Bhagavadgita.

Selections from the Mahabharata, the Rāmayana and the
Śrīmadbhagavat Purana.

Srauta, Grhya and Dharmasutras.

Sarvadarsana Samgraha of Madhavacharya.

Bhaktisutras of Narada and Sandilya.

Sivasutravimarsini.

Ahimbudhnya Samhita.

Mahanirvana Tantra.

RAGOZIN: Vedic India.

MACDONELL: Vedic Mythology.

BLOOMFIELD: Religion of the Rg Veda.

HOPKINS: Religions of India.

EGGLING: Introduction to the Satapatha Brahmana.

HAUGH: Introduction to Aitareya Brahmana.

DEUSSEN: Philosophy of the Upanisads.

MAXMULLER: Six Systems of Indian Philosophy.

DAS GUPTA: History of Indian Philosophy Vol I.

KEITH: Manuals on—

Samkhya, Karma-Mimamsa and Nyaya-Vaisesika (Indian
Logic and Atomism).

BHANDARKAR: Vaisnavism, Saivism, &c.

MACNICOL: Indian Theism.

CARPENTER: Theism in Mediæval India.

WOODROFFE: The World as Power-Reality.

FARQUHAR: An Outline of the Religious Literature of
India.

PAPER IV. Religion and Philosophy: Jaina and Bauddha.

Books recommended :—

Selections from the Jaina Sutras,

Acharanga,

Uttaradhyayana,

Tattvarthadhigama Sutras.

Dravyasamgraha.

Sapta-bhangi-tarangini.

Hemchandra's Trisasti Sataka-Purusa Charitra.

Selections from the Buddhist Suttas.

Digha,

Majjhima,

Samyutta,

Mahaparinibbana.

Dhammapada.

Jatakas.

Lankavatara.

Madhyamika Vritti.

WARREN: Buddhism in Translations.

RHYS DAVID: Buddhism—(American Lectures).

MRS. RHYS DAVID: Buddhism.

KERN: Buddhism.

SUZUKI: Outlines of Mahayana Buddhism.

SOGEN: SYSTEM of Buddhist Thought (Calcutta University Publication).

SUGUIRA: Hindu Logic in China.

BUHLER: The Jainas.

Mrs. STEVENSON: Heart of Jainism.

ASANGA: Mahayana Sutralamkara.

JAINI: Outlines of Jainism.

HERBERT WARREN: Jainism.

PAPER V.—Literature.

Books recommended:—

Select specimens of Samskrit Literature:

Vedic Hymns as specimens of Literature.

Mahabharata and Ramayana.

Svapnavasavadatta.

Pratijnayaugandharayana.

Pratima.

Buddhacharita.

Mrchchhakatika.

Sakuntala.

Raghuvamsa.

Kumarasambhava.

Meghaduta.

Dasakumaracharita.

Kadambari.

Ratnavali.

Uttararamacharita.

Malatimadhava.

Mudrarakshasa.

Karpuramanjari.

Kathasaritsagara.

Mahabharata Champu.

MACDONELL: Samskrit Literature.

WINTERNITZ: „ „

HORWITZ: Short History of Indian Literature.

TAGORE: Introduction to Sakuntala.

PAPER VI—Poetics, Dramaturgy, Arts and Science.

Books recommended :—

Bharata Natya Sastra Chs. I, II, V, VI and VII.

Dasarupaka with Avaloka.

Kavyadarsa.

Kavya Prakasa (Chs. I, IV, V, VII, VIII, IX, X).

Dhvanyaloka.

Kavyamimamsa.

WILSON: Hindu Theatre.

HORWITZ: The Indian Theatre.

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FERGUSON: The History of Indian and Eastern Architecture.

V. A. SMITH: History of Fine Art in India and Ceylon.

HAVELL: Hand-book of Indian Art.

PERCY BROWNE: Indian Painting.

Sulvasutras.

Charaka.

Sus'ruta.

Bhaskaracharya.

Panchasiddhantika-Ed. by Dr. Thibaut.

Sir P. C. ROY: Hindu Chemistry.

Dr. B. N. SEAL: Positive Sciences of Ancient Hindus.

PAPER VII—Law and Sociology.

Books recommended :—

Paraskara Grhyasutras.

Apastamba Dharmasutras.

Bauddhayana Dharmasutras.

Manusmṛti.

Yajñavalkyasmṛti.

Parasarasamṛti.

Naradasamṛti.

Smṛtichandrika.

Introduction to S. B. E. Vols II, XIV, XIX, XXX.

Tagore Law Lectures on Inheritance, Marriage and Stridhana.

BHAGAVANDASA: Manu.

PAPER VIII—Administration and Politics.

Books recommended:—

Aitareya Brahmana (Ch.)

Mahabharata-Santi Parva Rajadharma.

KAUTILYA: Arthasastra.

BARHASPATYA: Arthasastra.

Sukraniti.

Kamandakiya Nitisara.

Mc CRINDLE: Ancient India.

P. N. BANNERJI: Public Administration in Ancient India.

N. N. LAW: Ancient Indian Polity.

JAYASWAL: Hindu Polity.

R. C. MAZUMDAR: Corporate Life in Ancient India.

SARKAR: Political Theories of the Hindus.

R. K. MUKERJI: Local Government in Ancient India.

N. B. The books recommended for study not meant to be used as prescribed text books but as indicating the general scope of studies in the subject.

B. Sc. Examination 1925.

Same as in 1924 with the following alterations:—

Honours Courses in Physics to be as follows:--

An extra Theoretical paper on "the Mathematical Theory of Electricity and Magnetism and Elementary Electron Theory" of three hours duration. The course to correspond roughly to J. J. Thomson's "Elements of Electricity and Magnetism."

- II. Under Chemistry for paragraph 6 under Practical Chemistry i. e., "Preparation of any one of the followingany other similar product of every day use" substitute the following:—

Identification of the following:—Acetic Acid, Formic Acid, Acetone, Ethyl Alcohol, Benzene; Nitro-Benzene Acetaldehyde, Aniline and Glycerine.

- III. Honours Course in Botany to be as follows:—

The subject for the Honours paper for the B. Sc. Examination in Botany of 1925 to be "An extended study of Plant Physiology."

Books recommended:—

- (1) PALLADIN: Plant Physiology.
- (2) JORGENSEN AND STYLE: Carbon Assimilation.
- (3) DIXON: Ascent of Sap.
- (4) BOSE: The Physiology of the Ascent of Sap.
- (5) DARWIN: The Physiology of the Movement of Plants. (New Phytologist Reprint).
- (6) JORGENSEN AND STYLE: Studies in Permeability. (New Phytologist Reprint).
- (7) JOST: Lectures in Plant Physiology.

- IV. Courses in Zoology to be as follows:—

Zoology

(ORDINARY COURSES).

Two papers as noted below, each of three hours' duration. Also a practical test.

FIRST PAPER.

The structure and phenomena of the animal cell treated in some detail. Parthenogenesis. Asexual and Sexual Reproduction. General Principles of Heredity, Variation and Evolution. Important features about Geographical and Geological Distribution.

The structure, habits, and development of the following groups, as illustrated by:—

PROTOZOA: Amœba, Paramœcium, Euglena, Monocystis and Malarial Parasite.

COELENTERATA: Hydra, Obelia, Aurelia, Alcyonium.

PLATYHELMINTHES: Liver-Fluke, Tænia.

ANNULATA: Earthworm, Nereis and Leech.

ARTHROPODA: Prawn, Periplaneta, Scorpion and Scolopendra.

MOLLUSCA: Unio and Pond Snail.

SECOND PAPER.

The structure, habits and development of the following groups as illustrated by:—

ACRANIA:

HEMICHORDATA: Balanoglossus.

UROCHORDATA: Ciona or other Ascidian.

CEPHALOCHORDATA: Amphioxus.

CRANIATA:

PISCES: Scyllium or other Elasmobranch.

AMPHIBIA: Frog,

REPTILIA: Calotes or Varanus.

AVES: Columba,

MAMMALIA: Echidna, Marsupial and Lepus.

The outlines of the developments of Amphioxus, Frog, Chick, and Rabbit.

PRACTICAL WORK.

Candidates required to show a thorough practical knowledge of anatomy and histology of the various types included in the foregoing syllabus.

Note-books containing a record of laboratory work to be produced at the practical examination.

Books recommended:—

PARKER AND HASWELL: Text-book of Zoology 2 vols. (Macmillan).

THOMSON: Outlines of Zoology (Pentland)

MARSHALL AND HURST: Practical Zoology (Smith Elder).

WIEDERSHEIM: Comparative Anatomy of Vertebrates.

LOCK: Recent Progress in Heredity, Variation and Evolution.

KINGLEY: Comparative Anatomy of Animals.

G. BOURNE: Comparative Anatomy of Animals.

GILCHIRST AND VON BONDE: Practical Zoology.

DENDY: Evolutionary Biology.

PARKER AND BHATIA: Text-book of Zoology for Indian Students.

HONOURS COURSE.

An additional paper for the Honours examination of three hours' duration. The paper to deal with the group Plathelminthes.

The scope of the examination to correspond roughly to the following books:—

Lankester Series—Volume dealing with Plathelminthes.
Cambridge Natural History series.

Fnham, Stephens etc: Animal Parasites of Man.

V. Courses in Industrial Chemistry to be as follows:—

Industrial Chemistry.

(a) Amolification of the pure Chemistry course to include a theoretical knowledge of the raw materials used, their nature and sources and the methods of manufacture of the following:—

- (1) Ceramics (i. e., glass, pottery, porcelain, enamels and enamelling) and cement.
- (2) Oils, soaps and candles; paints and varnishes.
- (3) Leather tanning and bye products; Inks.
- (4) Sugars, Starches, Paper, Milk products.
- (5) Matches, Pencils and Crayons.
- (6) Wood and Coal distillations; Industrial alcohol.
- (7) Electro-plating. Electrolytic and Electric furnace products.
- (8) Important mineral acids and heavy chemicals.
- (9) Dyeing and bleaching.

N. B.—A general theoretical knowledge would be given in the classes and wherever possible, demonstration tours would be arranged to visit factories to see the actual working conditions.

(b). A detailed study of one of the Industries under clause (a) covering the whole ground of the nature of the raw materials employed, the equipment and machinery required and a statement of the cost of production and sale prices and the probable market.

Two papers. Also a practical examination.

PRACTICAL WORK.

- (a) A knowledge of the principal manufacturing processes such as filtration, sublimation, distillation, crystallisation, evaporation, disintegration, calcination, etc.

List of appliances to be provided for demonstrating the above-mentioned processes :—

- (1) Filter Pumps and Filter Presses.
- (2) Centrifugals.
- (3) Stills for steam distillation.
- (4) Autoclaves to record a pressure of not less than 90 lbs.
- (5) Disintegrators and Sieves.
- (6) Ball-mill.
- (7) Rolling-mill.
- (8) Reverberatory Furnace.
- (9) Muffle-furnace.
- (10) Down-draft Kiln.
- (11) Glass Furnace.
- (12) Blower to be run by a motor.
- (13) Drums.
- (14) Vats.
- (15) Super-heated steam.

At least ten of the following to be done.

1. Proximate Analysis of coal-moisture, volatile matter, fixed carbon, sulphur and ash.
2. Calorific Power of Coal by Thomson's Calorimeter.
3. Examination of Lubricating oil :—

- (a) Viscosity.

- (b) Flash point (i) open test (ii) closed test.
 - (c) Specific gravity.
 - (d) Free Acidity.
4. Saponification, Iodine and Acid values of fixed oils.
5. Testing Cement :—
- (a) Hydraulic Index of Cement by Chemical Analysis.
 - (b) Soundness.
 - (c) Setting time.
 - (d) Fineness.
6. Soap analysis—Free Alkali, Total Alkali, Total fatty acids and alcohol insoluble.
7. Assay of (a) tannin in extracts (b) commercial indigo.
8. Available Chlorine in Bleaching Powder and available Oxygen in Pyrolusite.
9. Free and total Sulphur Dioxide in Bisulphite Liquor.
10. Estimation of sugar.
11. Use of Soxhlet apparatus.
12. Water analysis—Temporary and Permanent Hardness, total solids, Chlorine and nitrites.
13. Fastness tests on dyed cloth.
14. Determination of nitrosity of Gay-Lussac Acid, Estimation of Nitrogen by various methods.
15. Estimation of alcohol in Alcohol mixtures, tinctures etc.
- (iii) That the following books be recommended for study :—
1. A. F. ALLEN: Text-book of Chemical Engineering.
 2. OSCAR NAEGAL: Mechanical appliances used in Chemical and Metallurgical industries.

3. ROGERS: Manual of Industrial Chemistry.

4. THORPE: Outlines of Industrial Chemistry.

Articles mentioned under (b) 1, 3, 5, 6, and 8 to form the subject-matter of Paper I and those given under (b) 2, 4, 7 and 9 to form the subject-matter of Paper II.

VI. Honours Courses in Geology to be as follows:—

The special subject prescribed for the Honours course in Geology to be as follows:—

“The Economic Geology of India”

Books recommended:—

Text-book—Record Geological Survey of India Vol. III.
(chiefly the portions which deal with the geological occurrence and geographical distribution of economic minerals).

Books of reference—Bulletins of Indian Industries and Labour on the subject included above.

TII. Courses in English to be as follows:—

A paper on general composition of three hours' duration and another on special composition of the same duration bearing on books prescribed for general study, some of which to treat of Scientific subjects:—

Non-detailed study—As in the B. A. but for Casson's Ancient Greece and Rosebury's “Napoleon, the last Phase” there to be substituted:—

R. A. GREGORY: Discovery and the Spirit of Science
(Macmillan, Indian Edition.)

and,

THOMSON: Introduction to Science (Home University Library).

M. Sc. Examination 1925.

Same as in 1924, with the following alterations:—

- I. The courses in Chemistry, Physics and Zoology to be as follows:—

Chemistry.

The subjects of examination:—

- (1) Inorganic Chemistry,
- (2) Organic Chemistry,
- (3) Physical Chemistry.

The Historical aspect to be emphasised in all subjects. The examination to consist of two parts, theoretical and practical in each of which the candidates to pass separately.

(THEORETICAL)

Four papers. Each of three hours' duration.

Paper I. Inorganic Chemistry.

Paper II. Organic Chemistry.

Paper III. Physical Chemistry.

Paper IV. A special paper on any of the branches of the above subject, chosen by the Board of Studies in Chemistry from time to time.

The following are the subjects recommended for the present:—

1. Inorganic.

- (a) Rare earths,
- (b) Chemistry of Per Acids and Per salts,
- (c) Formation of Nitrogen.

2. Organic.

- (a) Carbohydrates,

- (b) Alkaloids,
- (c) Organic Dye stuffs.

3. Physical Chemistry.

- (a) Colloids,
- (b) Absorption.
- (c) Radio-Activity.

A knowledge of elementary crystallography also required.

The candidates expected to be acquainted with the more important recent work in connection with the subject-matter of Paper IV.

(PRACTICAL)

Corresponding to the subject matter of each of the papers there to be a practical examination carrying a total of 400 marks.

(PROVISION FOR RESEARCH)

A candidate wishing to specialise by research could do so by substituting for Paper IV and the corresponding practical paper a thesis embodying the results of an original investigation carried out by him in the B. H. U. Laboratories. Such a candidate to seek the permission of the Syndicate at least six months before the commencement of the examination, and required to present himself for a viva voce on the subject-matter of his thesis before the examiners at the time of the practical examination.

Books recommended for study:—

Paper I—

COHEN: Organic Chemistry for Advanced Students
Volumes I, II and III.

BERNTHSEN: Organic Chemistry,

POPE: Modern Research in Organic Chemistry.

STEWART: Recent Advances in Organic Chemistry.

Paper II—

MELLOR: Modern Inorganic Chemistry.

STEWART: Recent Advances in Physical and Inorganic Chemistry.

ROSCOE AND SCHARLEMEN: Treatise in Chemistry Volumes I and II (for reference).

NEWTON FRIEND: Theory of Valency.

Paper III—

LEWIS: System of Physical Chemistry Volumes I & II.

STEWART: Recent Advances in Physical and Inorganic Chemistry.

NERNST: Theoretical Chemistry.

EMIL HATSCHELL: Colloids.

Paper IV—

Journals and Annual Report of the Progress of Chemistry.

LIST OF PRACTICAL EXPERIMENTS.

PHYSICAL CHEMISTRY

1. Partition Co-efficients.
2. Surface tension. Comparative and absolute.
 - (a) Capillary rise method.
 - (b) Maximum pull method.
 - (c) Drop pippette method.
3. Viscosity of liquids.
„ of solutions and mixtures.
4. Comparison of E. M. F. of Cells
Determination of absolute E. M. F.
5. Internal resistance of a Cell
6. Conductivity of solutions

7. Ionic Mobility
8. Order of reactions
9. Refractive indices of liquids.
10. Verification of the Law of Mass Action
11. Relation between constitution and refractive indices.
12. Identification of the more important elements by spectroscopy.
13. Preparation and purification of Colloids
14. Experiments on Colloids:—
 - (a) Sign of charge on the particles.
 - (b) Determination of rate of coagulation.
15. Specific heats of solutions.
16. Strength of Acids.
17. Ionisation of gases.
18. Transition point.
19. Determination of molecular weights by Cryoscopic and Ebulliscopic methods.
20. Determination of solubilities,
21. Vapour pressure of saturated solutions
22. Heat of formation.
23. Heat of Neutralization.
24. Heat of Combustion.
25. Verification of Stoke's Law.

PRACTICAL WORK.

(1) Inorganic

A. Qualitative

- (i) Complex inorganic qualitative analysis containing five or six metallic radicals.
- (ii) Individual tests and reactions of the following rare elements:—

Titanium, Tungsten, Molybdenum, Uranium, Rubidium, Caesium, Thorium, Cerium, Platinum.

B. Volumetric estimation of—

- (i) Iron in an iron ore
- (ii) Silver and copper in a silver coin
- (iii) Manganese dioxide in pyrolusite
- (iv) Antimony in tartar emiti
- (v) Uranium in uranium salt.

C. Gravimetric Analysis—

- (i) Dolomite, iron pyrites, galena, barytes, chrome iron ore
- (ii) Complete analysis of glass, type metal, brass, nickel coin.
- (iii) Estimation of titanium in Limenite, Thorium and Cerium in a gas mantle, Tungston in wolfram.

{II} Organic

- A. (1) Detection of simple organic substances.
- (2) Separation and identification of the constituents of a mixture containing two ingredients, the separation not involving complicated methods.
- (3) Preparation of some typical organic compounds such as Brom. Acetic acid, brom benzene. Bnaphthol-anthra qinone-alizarine methylorange malachite greenzincethyl-ethyl acetiaacetate-quinine from cinchona bark.

B. Organic Analysis :

- (1) Estimation of CHN and Cl in organic compounds.

- (2) Estimation of Methoxy, hydroxy and carboxylic group in organic compounds.
- (3) Estimation of sucrose in sample of sugar.
- (4) Analysis of one of the following: Soap, oil, milk and
- (5) Determination of the molecular weights of organic acids and bases by chemical methods.

C. Gas Analysis—

Some simple experiments in gas analysis.

Physics.

Every candidate required to pass a Theoretical and a Practical Examination.

The theoretical Examination to consist of four papers each of three hours' duration. The subjects to be as mentioned below. The first three papers to be divided into sections as shown.

- | | | |
|------------|------|--|
| Paper I. | { | (i) General Theory of Electricity. |
| | | (ii) Electron Theory. |
| Paper II. | (i) | Physical Optics and Electromagnetic Theory of Light. |
| | (ii) | Geometrical Optics and optical instruments and measurements. |
| Paper III. | (i) | General Principles of Thermodynamics and Kinetic Theory. |
| | (ii) | General Properties of Matter. |
| Paper IV. | { | On a special subject to be selected from the list given below. |

The scope of the examination approximately indicated by the following text-books:—

PIDDUCK: Electricity and Magnetism.

CROWTHER: Ions, Electrons and Radiations.

WOOD: Physical Optics

HOUSTON: Treatise on Optics

DRUDE: Optics Part I

PRESTON: Theory of Heat.

BOYNTON: Kinetic Theory.

PLANK: Thermo Dynamics (First 118 pages).

LEWIS: A System of Physical Chemistry Vol III
Quantum theory Chapters I, II, III & V only.

POYNTING & THOMSON: Properties of Matter.

PERVIN: Brownian Movement.

(List of special subjects).

- (1) Applied Electricity.
- (2) Electron Theory with applications.
- (3) Spectroscopy.
- (4) Thermodynamics including Thermodynamics of Heat Engines.
- (5) Acoustics.
- (6) Strength of materials and Elasticity.
- (7) Any other subject which the Board of Studies in Physics recommended from time to time and which was approved by the Faculty of Science.

NOTE.—In every special subject offered by a candidate there to be a special advanced course of not less than 25 lectures with facilities for Practical Work. For the special subject students requested to consult their Professors as to a suitable course of reading,

The practical Examination to last for a period of at least 4 days and to include a Viva Voce Examination. The examination to consist of 4 parts each corresponding to the subjects of each of the Theoretical Papers. There to be 75 marks for each part.

Candidates at the end of a year's work could apply to the Syndicate to take up Research and substitute a Research Thesis in place of either the II or the III Theoretical paper and in the Practical examination in any two groups of subjects.

Candidates to pass separately in the aggregates of the Theoretical as well as the Practical Examinations.

Candidates expected to attend a course of preparatory lectures in pure and Applied Mathematics to enable them to follow intelligently the lectures in Theoretical Physics.

Zoology.

1. The Structure, Habits, Development, Distribution in Time and Space, and Classification of the following groups:—

Protozoa, Porifera, Coelenterata, Platyhelminia, Nemertea, Nematelminia, Rotifera, Molluscoida, Echinodermata, Annelida, Arthropoda, Mollusca, Hemichordata, Urochordata, Cephalochordata, and Vertebrata.

2. The cell together with the leading structural modifications and functional relationships of its constituent parts.
3. Evidences, bearing upon the Hypothesis of Evolution, General Theories of Variation, Adaptation, Heredity, Sex and Origin of Species.
4. A detailed practical study of the Embryology of Chick.

A dissertation on some special subject.

The candidate to exhibit a knowledge of recent work on the subject chosen, and include an account of practica

work performed by him, which could be original or otherwise. At the time of the examination he could submit a thesis, a series of preparations, or other evidence of his work.

Five papers each of three hours' duration and a practical examination.

Paper I Invertebrata.

Paper II Chordata.

Paper III Dissertation.

Paper IV General Biology and Cytology.

Paper V Essay.

In the Practical Examination the candidates expected to show a practical knowledge of the methods of anatomical and histological research and also required to submit their original Note Books of the work done by them before the commencement of the Practical Examination.

Books and journals recommended for consultation:—

PARKER AND HASWELL: Text-Book of Zoology.

SEDGWICK: Students' Text-Book of Zoology.

The Cambridge Natural History.

LANKESTER: Treatise on Zoology.

WEISMANN: The Evolution Theory.

LULL: Organic Evolution.

CASTLE & COULTER: Heredity & Eugenics.

THOMSON: Heredity.

PUNNETT: Mendelism.

DONCASTER: Determination of Sex.

MORGAN: Experimental Zoology

WILSON: The Cell.

DONCASTER: Cytology.

KEILICOLT: Text Book of General Embryology.

ZITTELL: Text-Book of Palæontology.

WALLACE: Geographical Distribution.

LYDDEKKER: Geographical History of Mammals.

HEILPRIN: Distribution of Animals.

MINCHIN: Protozoa.

NEWMAN: Vertebrate Zoology.

MACBRIDE: Embryology.

Journals—Q. J. M. S. P. Z. S. P. R. S. and Journal of Morphology (students expected to consult these and other journals of importance.)

The Previous Examination in Samskrit 1925.

(Same as in 1924.)

The Examination for the degree of Licenciante of Teaching 1925.

(Same as in 1924.)

प्राच्यविद्या-विभाग ।

१९२४ के अनुसार निम्नलिखित परिवर्तन सहित—

प्रवेशिका परीक्षा १९२५

प्रथम और द्वितीय प्रश्नपत्रों के पाठ्य निम्नलिखित—

(१) संस्कृतम्—वाल्मीकीय रामायणम्—सर्ग १

रघुवंशम्—सर्ग २-५

श्रुतबोध

अथवा

वेदसंहिता सखरा (शुक्ल यजुषः ५ अध्यायाः अथवा कृष्णय-
जुषः ५ अध्यायाः अथवा ऋक्पवमान सूक्तम् अथवा साम्नः—
रुद्राध्यायः अथवा अथर्वन् ५ अध्यायः)

२ पञ्चतन्त्रम्—मुखबन्धसहित अन्तिमतन्त्रत्रयम्

मध्यमा परीक्षा १९२५

१९२४ के अनुसार निम्नलिखित परिवर्तन सहित—

१. न्याय के पाठ्यों में तार्किक रक्षा के स्थान में न्यायमुक्तावली रखिये—
२. पूर्व मीमांसा के प्रश्नपत्र नं० ४ शास्त्रदीपिका तर्कपाद के स्थान में शाबरभाष्य तर्कपाद—
शास्त्रदीपिका प्रथमाध्यायः द्वितीयपाद से (१ अध्याय २ पाद) निवीतान्ता
अथवा भाट्टदीपिका निवीतान्ता प्रश्न पत्र नं० ३ से निकाल कर प्रश्न पत्र नं० ४ में रक्खा जाय ।
३. धर्मशास्त्र विषय में प्रश्नपत्र नं० ६ में मीमांसासूत्रम् कुतूहलवृत्ति सहित अध्याय १, २ के स्थान में केवल प्रथम अध्याय और कुतूहलवृत्ति द्वितीय अध्याय के बदले धर्मसिन्धु प्रथम परिच्छेद ।

शास्त्री परीक्षा १९२५

१९२४ के अनुसार निम्नलिखित परिवर्तन सहित—

१. पूर्व मीमांसा के पाठ्यों में शाबरभाष्य १-६ के बदले १-२ पादसे तृतीय अध्याय के अन्त तक और शास्त्रदीपिका का तर्कपाद प्रश्नपत्र ७—शास्त्रदीपिका ३ से १२ के स्थान में शास्त्रदीपिका ४ से १२ तक ।

—————

धर्म-विज्ञान-विभागः
संस्कृत देवनागरलिप्या लेखनीयम् ।
प्रवेशिका
(प्राच्यविभागवत्)
मध्यमा

प्रश्नपत्र नं० १—वाल्मीकीयरामायणम् (सुन्दरकाण्डस्य सर्गाः—१६-४०)
 मनुस्मृतिः (ब्रह्मचारिगृहस्थधर्माः)
 रघुवंशम् (सर्गाः १०-१५)

प्रश्नपत्र नं० २—ऋग्वेदसंहिताया अष्टकानि १-४ (सस्वराणि)
 अथवा

यजुर्वेदसंहिता सस्वरा (अध्याय ५६-४०)

अथवा

सामवेदगानम् (पूर्वाचिकम्)

प्रश्नपत्र नं० ३—कुण्डसिद्धिः प्रतिष्ठामयूखः

प्रश्नपत्र नं० ४—निरुक्तम् (अध्याया ३-५)

होडाचक्रम्

प्रश्नपत्र नं० ५—गृह्यसूत्रम् (सम्पूर्णम् स्वशास्त्रीयम्—) सूत्रार्थसहितम्)

प्रश्नपत्र नं० ६—गृह्यागः

स्मृतिरत्न

प्रश्नपत्र नं० १—वेदऋक् अष्टकानि १-४ सभाष्यः, अथवा यजुर्वेदः (अध्याय १-२०) सभाष्यः, अथवा साम (सभाष्यम्) गानम् उत्तराचिकम् ।

” ” २—गृह्यसूत्रम् (स्वशास्त्रीयम्) मन्त्रार्थसहितम्

” ” ३—प्रातिशारुण्यम् (स्वशास्त्रीयम्)

सिद्धांतकौमुदी (स्वरवैदिकी)

सर्वानुक्रमसूत्रम्

प्रश्नपत्र नं० ४—निरुक्तम् (अध्यायाः १, २, ६, ७)

” ” ५—याज्ञवल्क्यस्मृतौ आचारकाण्डम् समिताक्षरम्
 भगवद्गीता श्रीधरीटीकासहिता

” ६—पुराणे-आग्नेये-प्रतिष्ठाकुण्डमण्डपभागौ

७—प्रस्थानभेदो मधुसूदनसरस्वती कृतः

तर्कसंग्रहो दीपिकासहितः

मीमांसापरिभाषा

८—सायण कृत ऋग्वेदोपोद्गातः

धर्मशास्त्री-परीक्षा ।

प्रथमपत्र १—ऋग्वेदोद्घातः

२ ऋग्वेदः (अष्टकानि १-४ सभाष्यः) अथवा

यजुर्वेदः (अध्याय १ २० सभाष्यः) अथवा

सामवेदः (गानमुत्तरार्चिकम्) सभाष्यः)

द्वितीय पत्र—षोडश संस्कार पद्धतिः (संस्कार भास्कर)

तृतीय पत्र—प्रातिशाख्यम् स्वशास्त्रीयम्

चतुर्थ पत्र—शतपथ ब्राह्मणम् सभाष्यम् प्रथम काण्डम्

नि ६८ (अध्याय १, २, ७)

पञ्चम पत्र—याज्ञवल्क्यस्मृतौ आचारकाण्ड समिताक्षरः

षष्ठ पत्र—कात्यायन श्रौत सूत्रम् (१-५ अध्याय)

दश पूर्णमासपद्धतिः स्वशास्त्रीया

सप्तम पत्र—मीमांसा न्याय प्रकाशः (आपोदेवीय)

प्रस्थानभेदः मधुसूदनसरस्वती कृतः

श्रीमद्भगवद्गीता (मूल)

अष्टम पत्र—शुद्धिविवेक प्रायश्चित्तविवेक

B.Sc. Examination (Engineering) 1925.

(Same as in 1924.)

B.Sc. Examination (Mining and Metallurgy).

(Same as in 1924.)

Examinations for Engineering Diplomas 1925.

DIPLOMA COURSE FIRST YEAR.

MATHEMATICS.

ARITHMETIC.—Contracted methods of multiplying and dividing numbers. The fallacy of retaining more figures than are justifiable. Exercises in areas, weights and volumes. The Metric System. Calculation of numerical values from algebraic and trigonometrical formulæ. The meaning of a common logarithm. Use of logarithms in making simple calculations. The slide rule and its use.

ALGEBRA.—Factors. Equations of the first and second degree in one and two unknowns. Indices, surds, ratio and proportion. Arithmetic and Geometric progressions.

MENSURATION.—Areas of plane figures. Pyramid, cone, and sphere. Surfaces and volumes of solid figures, including the prismoid. Geometrical proportions of similar figures. Measurement of quantities from plans. Mean ordinate and Simpson's rule for areas. Guldinus' Theorems.

GEOMETRY.—Properties of triangles and rectilineal figures. Similar figures. Simple loci. Properties of circles. Construction of scales. Reduction and enlargement of figures.

TRIGONOMETRY.—Sines, cosines, and tangents of acute angles, numerical values by measurement and division, comparison with values from tables, percentage errors. Use of tables and of slide rules. Heights and distances. Simple relations between sines and cosines and tangents. Solution of triangles.

PRACTICAL MATHEMATICS.—Co-ordinates. The plotting of points and the construction of simple graphs on squared paper. Determination of simple laws connecting two variables representing experimental data. Graphs of statistical data, algebraical and trigonometrical functions, graphical solution of equations.

TEXT BOOKS.—"Manual of Practical Mathematics."—F. Castle.

REFERENCES—"Mathematics for Engineers." Part I.—W. N. Rose.

HEAT ENGINES AND APPLIED MECHANICS.

(FIRST YEAR.)

INTRODUCTION.—Importance to the engineer of cultivating, from the beginning, the habit of accurate observation and memory. Vague and inaccurate ideas worse than useless. The Engineer's note books.

THE STEAM ENGINE.—Names and functions of all the principal parts of a simple, non-condensing, single-cylin-

der steam engine with one eccentric and an ordinary D slide valve. How the steam enters and leaves the cylinder and how the admission, cut-off release and compression are arranged for. Materials of which the parts are made and the methods of lubrication.

THE BOILER.—Names and functions of all the principal parts of an ordinary Vertical boiler. How steam is raised and maintained, how water is supplied to the boiler and how the steam is admitted to or shut off from the engine. The safety-valve, the pressure gauge, the gauge glass, the blow off cocks and the arrangements for cleaning and inspection.

STEAM.—Physical properties of steam; the relation between temperature and pressure. Sensible and latent heats. Steam tables and how to use them. Saturated, dry, wet and superheated steam. Combustion and economy of fuel.

FORCE.—Units of force. Parallel forces. The parallelogram and triangle of forces. Determination of resultant and component forces. Centres of gravity. Moments of forces. Practical applications of moments and forces.

MOTION.—Speed, velocity and acceleration. Angular velocity and angular acceleration.

WORK.—How and why it is measured. The units of force, distance and work. The diagram of work. The principle of work and its application to simple machines. Friction and efficiency. Representation of experimental results by graphs. Friction and lubrication. The mechanical equivalent of heat. Work done in the cylinder of a steam engine. Advantage of early cut off and expansion.

POWER.—Work done in a given time. The unit of power. The indicated horse power of an engine. Transmission of motion and power by belts and spur gearing. Brake

horse power and mechanical efficiency of an engine. Meaning of the expression 'Horse power hour.' Pounds of steam and coal per horse power hour.

ELECTRICAL AND MECHANICAL UNITS.—Units of work, power, and supply. The relation between the mechanical and electrical units and problems involving a knowledge of that relationship.

ENERGY.—Definitions and simple calculations.

MATERIALS.—Stress, strain and modulus of elasticity. Materials in tension, compression and in shear. Elastic limit, yield point, and breaking stress. Working stresses and factors of safety. Simple riveted joints. Strength of thin cylinders. Bending and twisting. Physical properties and constants of wrought iron, cast iron, mild steel hard steel, copper and its common alloys.

HYDRAULICS.—Press, jacks, and accumulator. Reciprocating pumps, suction and delivery, Lift pumps and force pumps of the simplest types. The air vessel and its object.

TEXT-BOOKS.—Elementary Applied Mechanics.—Morley and Inchey.

Steam and other engines.—J. Duncan.

EXPERIMENTAL WORK.

The laboratory work, as far as possible, to run parallel with the lecture courses. A number of experiments arranged to illustrate the principles dealt with in the lectures.

MACHINE CONSTRUCTION.

(FIRST YEAR)

Materials used in machine construction; their properties and

uses. Usual sections of wrought iron and steel. Thickness of plates. Limiting dimensions of bars and plates.

Forms of screw threads and their proportions. Use and relative advantages of various forms of screw threads. Forms and proportions of bolt heads. Foundation bolts. Methods of preventing bolts from rotating and their application to particular cases. Forms and proportions of nuts. Necessity for locking nuts. Various methods of locking nuts and their application to particular cases. Forms of bolts. Set-screws and studs and their uses. Back lash in screws.

Forms and proportions of keys and their application. The stress to which keys are subjected and the formulæ from which proportions are determined. Danger of projecting keys.

Use of limit gauges; tolerance, allowance; force, driving, push and running fits.

MECHANICAL DRAWING.

(FIRST YEAR)

As far as possible, students in this class become familiar with important parts of engines and machines by actual handling and manipulation.

SKETCHING.

A sketch book 11 in, by 8 in, containing about 90 pages of thick unruled paper is required, and in this book students must keep all notes and sketches connected with mechanical drawing, neatly entered in pencil.

Full size wooden models, or the actual machine parts, are provided and the students are taught to measure these by means of callipers and a foot-rule, and to make fully dimensioned, freehand sketches, in good proportion in their sketch books. Great importance is attached to

these sketches and marks are awarded according to the neatness, accuracy, and completeness of the sketches from the practical point of view. Each sketch must contain all the information that is required in order that the thing can be made in the workshops.

DRAWING.

PRELIMINARY INSTRUCTION.—How to point pencils for drawing, sketching and printing. The use of drawing instruments, dividers, compasses, T squares, set squares, drawing pens and the scales required for mechanical drawing.

In the course, from the beginning, accurate work will be insisted upon and all printing, including the figured dimensions, must be clear and distinct.

DRAWING:—Construction and use of scales—students will draw scales of three-quarters, half, and one-quarter full size and use those scales to draw an one inch Whitworth bolt. The bolt will be drawn, in each case, so as to show the end and front elevations and the plan; the screw thread being shown according to the prevailing convention and all dimensions inserted.

In a similar way students will proceed to draw, first of all, simple plane figures and solids in plan, elevation and section. Having become familiar with the principles of projection as regards cubes, cylinders, cones, etc., they will proceed to apply these principles to simple machine details such as flange couplings, large square threaded screws with single and double thread, cranks, connecting rods, bearings, pulleys with curved arms, spanners, helical springs, etc.

All drawings to be accurately to scale, fully dimensioned and complete as regards necessary information.

CHEMISTRY.

(FIRST YEAR.)

I.

Chemical and Physical changes; simple examples illustrating the difference; chemical compounds and mechanical mixtures; atoms and molecules; elements and compounds: Dalton's atomic theory; examples and conditions of chemical action.

Symbols. Formulæ. Equation. Valency.

The atmosphere. Oxygen—a brief history of Chemistry. Hydrogen.

Water—its circulation in nature—hard and soft waters—water for boiler use—composition and chemical properties of water.

Neutralisation—Acids, bases and salts. Different kinds of chemical reactions. Chemical nomenclature. Laws of chemical actions. Gay Lussac's law of volumes. Avogadro's hypothesis.

General Laws of gases—their application to solve chemical problems.

Oxidation and reduction.

Carbon—fuels—coal—lubricants.

Nitrogen. Chlorine. Sulphur. Phosphorus.

II.

Difference between metals and non-metals.

Sodium—sodium compounds—alkali manufacture.

Iron and Steel—different processes of manufacture of different irons; properties of irons and effects of carbon, sulphur, phosphorus, silicon, manganese and chromium on them;

comparison between them; hardening and tempering of Steel; rusting of Iron.

Calcium—Portland cement, plaster of Paris, manufacture of lime, bricks.

Tin, Lead. Zinc. Aluminium.

Corrosion of iron and steel—protective paints, galvanising and tinning.

Alloys.

PRACTICAL COURSE.

Bending glass tubes and fitting up a wash bottle.

Preparation of gases—Hydrogen, Oxygen, Carbon dioxide, Sulphuretted hydrogen, and testing their properties.

Crystallisation, sublimation and purification of chemical compounds. Use of chemical balance. Preparation of standard solutions—

Simple volumetric estimations.

Gravimetric estimations of iron and calcium.

Preparation of alloys—estimation of brass

Analysis of coal—estimation of the calorific value of fuels.

Determination of viscosity of lubricants.

SYLLABUS IN PHYSICS.

(FIRST YEAR DIPLOMA)

GENERAL PROPERTIES:—

Elementary conceptions of matter and energy, Principle of Archimedes. Density and Specific Gravity. Laws of floating bodies. Hydrometers. Use of the Vernier and the Micrometer screw gauge.

Atmospheric pressure, the Barometer, the pressure gauge.
Boyle's law,

HEAT:—

Temperature and thermometers. High temperature thermometry, pyrometers.

Coefficients of expansion, simple determinations of the linear coefficient of expansion and its practical applications in Engineering.

Charles' law. Combination of the laws of Boyle and Charles. Absolute temperature. Isothermal and adiabatic changes and their graphical representation. Work done in compressing a gas.

The different units of heat, thermal capacity, specific heat and the water equivalent of a calorimeter. The two specific heats of gases. Laws of fusion and vaporisation. Effects of pressure on melting and boiling points. Latent heat of fusion and vaporisation.

Saturated and unsaturated vapour, relation between the maximum vapour pressure and the temperature of a liquid, Dalton's Laws.

Hygrometry: Daniell's Hygrometer, definitions of Relative Humidity and the Dew Point and the relation between the two.

Conduction, Convection and Radiation, definitions and experimental determination of the [conductivity of metals. Ventilation.

Mechanical Equivalent of Heat and its determinations.

Sound—Production of Sound, Pitch, Intensity and Quality of a note. Interference and Resonance. Velocity of Sound.

LIGHT:—

Laws of Reflection and Refraction of light. Concave and convex mirrors. Converging and diverging lenses; determinations of focal length. Telescopes and Microscopes. Photometry. Spectrum.

MAGNETISM :—

Properties of Magnets. Preparations of Magnets. The Unit Pole. The Magnetic Field and its Intensity Potential at a point. Magnetic moment.

Laws of Magnetic force. Intensities of the field on the axial and equatorial line of a bar magnet. Magnetometer. Oscillation of a magnet in a uniform field.

Terrestrial magnetism. The three magnetic constants at any place.

Electro-magnets.

ELECTRICITY :—

Primary cells; (Daniell, Leclanché and Dry cells.)
Practical and absolute units of current. Electromotive force.
Resistance and power.

Specific Resistance. Conductors and Insulators. Ohm's Law.
Cells and resistance in series and parallel.

Magnetic effect of a current. Field at the centre of a circular coil. Tangent galvanometer, Ammeters and Voltmeters (moving coil).

Heating effect of current. Joule's law.
Current carrying capacity of wires—the Fuse law.
Electrolytic effect of a current—Faraday's laws.
Electro chemical equivalents of elements. Voltmeter.
Use of Wheatstone's bridge and the potentiometer.

ELECTRO-STATICS :—Elementary principles. Condensers and capacity.

EXPERIMENTAL WORK.

The laboratory work will, as far as possible, run parallel with the lecture courses and a number of experiments are arranged to illustrate the principles dealt with in the lectures.

THE EXPERIMENTS WILL INCLUDE—Use of measuring instruments. Use of planimeter. Determination of specific gravity, specific heat, latent heat, Boyle's Law. Charles' Law. Temperature of steam at different pressures. A few experiments on sound and light.

MAGNETISM—Mapping out lines of force by a small magnet. Determination of neutral points in a magnetic field. Comparison of magnetic moments by the magnetometer.

ELECTRICITY—Experiments with the Electroscope. Variation of the magnetic forces at the centre of a coil with the radius, number of turns, and strength of current. Determination of resistance by the use of Wheatstone's wire-bridge.

TEXT BOOKS—Detailed accounts of the methods of performing the above experiments will be found either in Willow's Text Book of Physics, or in any intermediate course of Practical Physics such as Schuster and Less.

SURVEYING SYLLABUS.

FIRST AND SECOND YEARS.

GEOMETRICAL DRAWING—Scales. Applications of Geometry and Trigonometry to Surveying.

CHAIN SURVEYING—The measuring chain; Surveying by the chain only; Cross Staff; Optical square; Field book. Conventional signs used when Plotting. Plotting the Survey.

PRISMATIC COMPASS—Bearings and angles. Prismatic compass. Methods of Surveying with Prismatic compass.

To plot the above survey. Finding one's place in a survey.

PLANE TABLING—The plane table; The simplest planetable equipment and its methods of Survey. Sight rule and Magnetic compass. A plane table survey by magnetic bearings; a plane table survey by the back and forward Ray system.

LEVELLING—The Y and the Dumpy level. Their Temporary and Permanent adjustments. Level staff. Datum Bench mark. Levelling Book. Method of Levelling. Flying Levels. Plotting of Sections.

THEODOLITE—Transit Theodolite, Method of observing angles in a traverse. Plotting by Gale's Traverse System.

CURVES—Simple curves. Setting out with chain and a Theodolite by offsets from the chords produced.

Practical Survey one week in the field.

BUILDING AND BUILDING MATERIALS.

(FIRST AND SECOND YEARS)

TIMBER—Characteristic properties and means of preservation of timber used in construction. Defects in timber and characteristics of good timber.

WOODWORK—Joints used in wood work.

PAINTS and VARNISHES.

BRICKS—Characteristics of good bricks. Standard size of bricks.

BRICK WORK BONDS—English bonds. Damp-proof courses. Cornices.

STONE WORK JOINTS—Varieties of walling.

LIMES, CEMENTS, MORTARS—Different kinds of sand, mortar, lime, and cement; preparation and mixing of mortars; strength of mortar; precautions in using.

CONCRETE—The matrix, the aggregate, the proportion of ingredients, mixing and laying, use of concrete, reinforced concrete.

BUILDING—Selection of site, foundations, preparation of foundation bed. Benching out. Breadth and form of foundation. Earth filling. Plinth. Thickness of wall. Opening and arches in wall. Fixing doors and window frames.

FLOORS—Brick on edge, stone, patent stone, terrace.

ROOFS—Trusses of wood and iron. Coverings. Terrace roofs.

DRAWING—Of a simple building from measurement.

MATHEMATICS.

(SECOND YEAR)

ALGEBRA—Simplification and partial fractions. Napierian Logarithms. Harder exercises in logarithms. Manipulation and evaluation of complicated engineering formulæ. Theory of quadratic equations. Permutations and combinations. The binomial theorem and its applications.

TRIGONOMETRY—Measurement of Angles. Trigonometrical ratios of the sum and difference of angles and of multiples of an angle. Solution of triangles.

GEOMETRY—Construction of the ellipse, hyperbola, parabola, cycloids, involutes and spirals, Graphical solution of more difficult equations. Slopes and rates of increase. Graphic Integrations.

DIFFERENTIAL CALCULUS—Definition of a differential coefficient. Differentiation of functions of one independent

variable. Application of the calculus to the determination of maxima and minima, velocity and acceleration. Curvature and Radius of curvature.

INTEGRAL CALCULUS—Elementary form of Integration. Determination of areas, volumes, centres of gravity and moments of inertia.

TEXT BOOKS—"Manual of Practical Mathematics." F. Castle.

Reference—"Mathematics for Engineers." W. N. Rose.

MACHINE CONSTRUCTION.

(SECOND YEAR.)

Strength of materials—Working stress in bolts and studs. Forms of cotters for various purposes.

The jib and cotter—Proportions determined from a consideration of the strains they are subjected to. Necessity for draw.

Pipes and Pipe joints—Thickness of pipes subjected to internal pressure. Proportions for flanges. Provision for expansion in pipes. Expansion joints. Pitch of bolts and studs for ordinary face joints. etc.

Supports for shafts. Journal pivot and collar bearings. Proportion of bearings determined from a consideration of pressure and materials of which the bearing is composed. Proportions of ordinary plummer blocks and hangers. Bearing adjustments. Self-adjusting pedestal bearings allowable pressure of bearings and journals.

Work lost by friction of bearings; actual H. P. transmitted from considerations of bearings, flexibility of shaft, lubrication, etc., methods of lubricating bearings, speed of shafting for various drives.

Belt gearing, various kinds of belting and forms of belt fasteners. Transmission of motion by belting; examples of belt drives. Strength and limiting speed of belting. Pulley rims. Crowning. Proportions of solid and split pulleys. Friction and guide-rope pulleys.

Chain drives, strength of chains and ropes. Proportions of hooks and shackles.

Forms and proportions of rivet heads. Strength of riveted joints. Connection of plates at right angles and parallel.

MECHANICAL DRAWING.

(SECOND YEAR DIPLOMA.)

MACHINE AND ENGINE DETAILS—Preparation of complete working drawings and specifications, from sketches and notes obtained by actual observation, investigation and measurement of details.

Study of proportion in machine details, by observation, calculation, and measurement. Keys and cotters. Pipes and Pipe Joints. Shafting and Shaft Couplings. Pedestals and Plummer Blocks. Hanger Brackets. Wall Boxes and Footsteps. Countershafts. Pulleys and Speed Cones. Spur and Bevel Gears. Lubricators. Cranks. Crank Shafts and Eccentrics. Pistons and Piston Rods. Cross-Heads and Guides. Connecting Rods. Stuffing Boxes. Valves. Valve Rods. Eccentric Rods and Link.

HEAT ENGINES AND APPLIED MECHANICS

(SECOND YEAR)

MECHANICS:—Friction. Angle of repose. Methods of reducing friction in machines. The laws of motion. Linear and angular acceleration. Force, mass, torque, moment of inertia and acceleration. Kinetic and potential energy. The flywheel. Centrifugal force. Governors. Simple harmonic motion.

Simple kinematic chain, simple mechanisms. Transmission of motion and power. Belts, ropes, and gear wheels.

STRENGTH OF MATERIALS:—Second moment or moment of inertia of areas. Coefficients of elasticity and rigidity. Resistance to tension, compression, shear, torsion, bending. Shearing force and bending moment diagrams. Machines and instruments for testing the strength and elastic properties of materials. Ordinary forms of test pieces. Load-deformation and stress strain diagrams. Specifications of qualities of material. Application of foregoing principles and rules to the design of simpler elements of machines.

HYDRAULICS:—Pressure energy, velocity energy, and total energy of water steams. Discharge from orifices and notches. Simple problems on the flow of water in pipes and the hydraulic transmission of energy. Simple hydraulic machines.

STEAM AND HEAT ENGINES:—Combustion of fuel and generation of steam. Superheated steam. Fundamental laws of thermodynamics. Absolute temperature. Work of expansion. Behaviour of steam in engine cylinders. Compounding. Horsepower and steam consumption. Indicator diagrams. Brake, indicated, and shaft horse-power. Simple valve diagrams, and crank effort diagrams. Types of engines, condensers and air pumps. Types of boilers and boiler accessories. Action of four-stroke internal combustion engines. Indicator diagrams of four-stroke cycle internal combustion engines. Oil and petrol engines.

SYLLABUS.

ELECTRICAL ENGINEERING.

(2ND YEAR DIPLOMA).

1. Electrical Measurements and Measuring Instruments—Electromagnetic and practical units for current, voltage,

resistance, power, and energy. Ohm's law. Wheatstone bridge. Chief types of Commercial Measuring Instruments, their principles, use and care etc.

2. Electrical Properties of Materials,—Conductors and insulators. The insulation of wires and cables. The effect of moisture and heat on conductors and insulators.
3. Magnetic Properties of Materials.—Permanent magnets and electro-magnets. Residual magnetism. Permeability. Lines of force. Flux. Flux density.
4. Batteries. Primary and secondary cells. Choice of types for various purposes. Charging and discharging of secondary batteries and locating troubles.
5. Electrical Lighting. Carbon and metal filament lamps. Arc lamps, Currents and voltages required by the more commonly used glow lamps. Lighting and wiring of private plants. Testing lines and locating and repairing faults in lines. Switchboard in connection therewith, their construction, erection and repair.
6. Electrical Machinery. Continuous current machines. Essential parts and general principles of action both as generators and as motors. Series, shunt and compound winding. Ring and drum armatures. Two-pole and multipolar fields. Construction of and materials used in making commutators. Position of brushes and materials used for brushes. Testing for breakdown of insulation. Starting and regulating appliances. Different types of A.C. Generators and Motors, their principles and operation and locating troubles.

SYLLABUSES FOR LICENTIATE EXAMINATION.

MECHANICAL ENGINEERING.

(THIRD AND FOURTH YEARS.)

3 hours paper.

APPLIED MECHANICS.

In addition to a more thorough familiarity with the preliminary syllabus:—

The elastic constants for steel, iron and non-ferrous alloys, and the strength of stone, brick and the more familiar Indian timbers, Resilience and overstrain.

Beams, their strength and resilience including Encastre' beams and simple continuous beams, Composite sections and trussed beams.

Torsion of round shafts both solid and hollow.

Springs, Helical, Spiral, and carriage springs,

The Commercial testing of steel, iron and building materials. The assumptions of Clerk-Maxwell stress diagram. Deficient and redundant frames in two and three dimensions. Applications of the Funicular polygon to determining bending moments, moments of inertia, deflection, the shapes of and stresses in, suspension structures struts and columns. Formula of Euler and Rankine. Braced and built up columns. Grillages.

Plate Girders. Flange areas. Rivet pitches. Deflections. Webs and stiffeners.

Flow of water in pipes and channels. Critical velocity, Power transmission. Water hammer. Pumps and pumping. Centrifugal reciprocating and other types of pumps including air lifts. The measurements of flowing water.

The steam engine mechanisms. Toothed wheels, including spiral gears and epicyclic trains. Belt and rope driving. Bearings. Current literature.

PRIME MOVERS.

3 HOURS PAPER.

In addition to a more thorough familiarity with the preliminary syllabus:

Relations between power, speed and dimensions of reciprocating steam engines. The usual valve gears and calculations connected therewith. Fuel and steam consumptions. Construction and capacity of boilers, Condensers. Other steam plant auxiliaries.

Internal combustion engines. Relations between Power, Speed, and Dimensions. Valve timing. Ignition and Carburation. Fuel and Lubricating oil consumptions. Air compressors.

Refrigerating Plant, Gas producers. Steam Turbines. De Laval, Parsons, Curtis, Rateau, and Zoelly types. The turbine condenser and air pump. Governing of steam turbines. Labrynth and other packing. Other structural details.

Water turbines, and wheels. Windmills. Current literature.

SIX DAYS' PAPER IN DRAWING AND DESIGN.

A short specification will be given to the student and he will be required to prepare working drawings and estimate.

SPECIMEN SPECIFICATION.

(1) A screw cutting lathe, 6 inch centres, to take 6 feet between centres and 3 feet diameter on face plate. Automatic cross cutting and tapering. All gear headstock with two speed power receiving pulley. Conical mandrell bearings. 8 cutting speeds.

(2) A kerosine engine to develop 5 HP at 500 r.p.m. Two stroke cycle, splash lubrication, crank case compression, Hopper cooling. Cylinder horizontal.

(3) The sketch supplied is of a bullock driven cane crusher. Prepare drawings of an improved type to be driven by a 5 HP Engine.

SIX DAYS' PAPER IN WORKSHOP PRACTICE.

Suitable test:

(1) The engine handed over to you is an old $3\frac{1}{2}$ HP Kerosine Engine. Certain parts are missing; you are required to make and fit the missing parts, and have the engine running at full power and consuming not more than 4 lbs. of kerosine an hour within the week.

(2) The drawing is of a lathe chuck. The pattern is to be made and the chuck cast and machined by the end of the week.

(3) A three threaded square screw is to be turned to within 0.002" of the given dimensions.

(4) The drawing is of an Eccentric pinion and lobed wheel. Both are to be made from the blanks supplied.

SYLLABUSES FOR LICENTIATE EXAMINATION.

(3RD & 4TH YEAR DIPLOMA,)

ELECTRICAL ENGINEERING.

3 HOURS PAPER.

CONTINUOUS CURRENT ENGINEERING.

Measuring instruments and testing; Laws of the magnetic circuit and calculations thereon.

C. C. Generators and motors; principles of and essential parts; elements of design and simple calculations connected therewith; calculations of and tests for losses, efficiencies, and characteristics.

Secondary batteries, principles of; usual forms; testing. Setting up, and maintenance.

Electric lamps and lighting; glow, arc, mercury vapour, and other lamps; principles involved, use, and testing.

Generation and Control of Power.

Power transmission and distribution by continuous currents. Electric traction by continuous currents.

ALTERNATE CURRENT ENGINEERING.

3 HOURS' PAPER.

Theory of alternate currents; elementary mathematical theory; units and measurement.

A. C. Generators and motors; Theory and maintenance and testing; elements of design and simple calculations connected therewith.

Transformers and converters. Theory, use, maintenance and testing, various types; simple calculations concerning testing.

Generation and Control of Power.

Power transmission and distribution by alternate currents.

Electric traction by alternate currents.

SIX DAYS' PAPER IN ELECTRICAL ENGINEERING DESIGN.

Complete drawing, design and estimate in one of the following branches:—

- (1) Electrical Machine Design.
- (2) Design of Power house and sub-station.
- (3) Design of transmission and distribution lines.
- (4) Traction.
- (5) Hydro-Electric Power Development.
- (6) Illumination Engineering.

SIX DAYS' PAPER IN ELECTRICAL WORKSHOP PRACTICE.

An Examination lasting for six days in Workshop Practice and testing will be given on some one section of the above.

SYLLABUSES OF EXAMINATION FOR LICENTIATE IN CIVIL. ENGINEERING.

ROADS, RAILWAYS & STRUCTURES.

(3 hours paper.)

- (1) **ROADS**—Road construction in plain and in hilly country. Maintenance.
 - (2) **RAILWAYS**:—Classification [of Railways; Reconnaissance; Preliminary Survey; Office Location; Field Location; Permanent way; Stations and subsidiary buildings.
 - (3) **STRUCTURES**:—Loads on structures; Bending Moments and Shear Forces; Moment of Resistance; Practical details of joints and Plates etc. in Braced Structures Columns—Roof Trusses—Materials of Construction—Masonry Structures—Ferro Concrete.
-

HYDRAULICS FOR CIVIL ENGINEERS.

WATERWORKS, IRRIGATION AND SANITATION.

(3 HOURS PAPER.)

- (1) HYDRAULICS:—Introduction. Fluids at rest; Fluids in motion; Flow through pipes; Flow in channels; Hydraulic Motors; Pumps.
- (2) WATER WORKS:—Sources of water supply; Storage of water supply; Conveyance; Purification of water; Distribution of water supply.
- (3) IRRIGATION & CANAL WORK—Characteristics of Rivers; Canalization of rivers; Inland Canal Engineering; Sources of Irrigation water; Inundation and Perennial Canals.
- (4) SANITATION:—Sewage works; Disposal of Sewage.

PRACTICAL EXAMINATION IN
SURVEYING AND PROJECT.

(6 days' paper.)

A fair test would be a Theodolite Survey of all the land between the Engineering and Arts College, a strip half a mile wide.

Project; the laying on of water to all four Colleges and drainage.

DESIGN OF STRUCTURES.

(6 days paper.)

A specification similar to the following will be supplied to the candidate from which he must prepare working drawing and estimates.

- (1) Roof and column arrangement for a workshop of 40 feet clear span, 4000 square feet to be covered.
 - (2) As above the roof to be of ferro concrete instead of steel.
 - (3) A masonry dam of given height and length, or a retaining wall.
 - (4) A dak bungalow for one officer.
-

The LL. B. Examinations 1925.

(Same as in 1924)

VIII.

Forms.

(A) FORMS OF APPLICATION FOR ADMISSION TO EXAMINATIONS.

Roll No.....

BENARES HINDU UNIVERSITY.

ADMISSION EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing Admission Examination of the Benares Hindu University.

The fee* of Rupees 12 is forwarded herewith.

I am, &c.

Student,.....School.

N. B.—Name to be written in full and clearly.

* This application, with the examination fee, must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

N. B.—The Admission Card will be sent to the Officer who signs this application form, and not direct to the candidate.

CERTIFICATE.

I certify that the above-named candidate has attended a regular course of instruction at a recognised School, in each and all of the subjects offered, for not less than two years preceding the date of the Examination; that he has not already passed the Admission Examination of the University; that he has signed the above application in my presence; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from admission to the Examination.

Name.....

Head Master or Principal,

.....School or College.

The.

N. B.—The certificate of every candidate must be signed by the Principal or Headmaster of the Institution from which he appears.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

- (1) Name in full.....—.....
- (2) Date of Birth.....
- (3) Age (in years and months on }Years, ..Months.
the first day of January, 19.. }
- (4) Name and occupation Name.....
of father. Occupation.....
- (5) Name of guardian.....
- (6) Race.....
- (7) Religion.....
- (8) Caste.....
- (9) District and town or village where resident.....

(Signature of Candidate in full).....

SUBJECTS TAKEN UP BY THE CANDIDATE.

N. B. Strike out subjects not taken up.

Group A

- (1) English
- (2) Mathematics
- (3) History and Geography
- (4) Samskrit
- (5) Any one or two of the following subjects :—
 - (a) A modern Indian language*.....
 - (b) Any other Classical language*.....
 - (c) A modern European language*.....
 - (d) Elementary Physics and Chemistry
 - (e) Botany
 - (f) Drawing
 - (g) Manual Training
 - (h) Agriculture and Surveying
 - (i) Commerce

Group B

- (1) English
- (2) Mathematics
- (3) History and Geography
- (4) A modern Indian language*.....
- (5) Any one or two of the following subjects :—
 - (a) Samskrit
 - (b) Any other Classical language*.....
 - (c) A modern European language*.....

Group B (contd.)

- (d) Elementary Physics and Chemistry
- (e) Botany
- (f) Drawing
- (g) Manual Training
- (h) Agriculture and Surveying
- (i) Commerce

Group C

- (1) English
- (2) History and Geography
- (3) A modern Indian language
- (4) Any two or three of the following subjects—
 - (a) Samskrit
 - (b) Mathematics
 - (c) Any other Classical language.....
 - (d) A modern European language.....
 - (e) Elementary Physics and Chemistry
 - (f) Botany
 - (g) Drawing
 - (h) Music
 - (i) Manual Training
 - (j) Agriculture and Surveying
 - (k) Commerce
 - (l) Domestic Science (with special reference to Indian conditions.

*Name the language here.

For Private Candidates only.

Roll No.....

(2) BENARES HINDU UNIVERSITY.

P

ADMISSION EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Admission Examination of the Benares Hindu University..

The fee of Rupees 15 is forwarded herewith.

I am, &c.,

Private Candidate

N. .B—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has signed this application in my presence;† that ^{he}_{she} has not already passed the Admission Examination of the University; that I believe the subjoined account to be true; and that I know nothing against ^{his}_{her} character which ought to debar ^{him}_{her} from admission to the examination.

..... Name.....

Head Master of ‡.....

Inspector of Schools.....

The.....

The fee must be paid in Cash or Currency notes. Half Notes and Postage Stamps will not be received.

This application with the examination-fee, must be sent in the same cover, registered, or presented by hand.

† In the case of a woman candidate, her presence need not be insisted upon, if the Inspector is otherwise satisfied about her identity.

‡ In cases where a candidate has at any time previously studied in an institution, this certificate must be signed by the head of that institution.

N.B.—The certificate of a candidate, who appears as a *Private Candidate* (a candidate, who has obtained the permission of the Syndicate, under the Regulations), to appear at the examination, must be signed by a Government Inspector of Schools, or, in a Native State (a) if the Government of India have made the direction specified in Regulation 5 (a) of Chapter XL, by the educational authority of that State or (b) if no such direction has been made regarding that State, by an officer empowered by the Government of India.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).
2. Date of Birth....
3. Age in years and months on the }Years..Months
1st day of January, 19.....}
4. Name and occupation } Name.....
of father. } Occupation.
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....
10. Full Postal Address.....
11. Date of leaving the last school

(Signature of Candidate in full).

N. B.—(1) Private candidates shall not be allowed to take Science or Manual Training as one of the subjects for examination, unless they satisfy the Syndicate that they have completed a course of instruction in Science or Manual Training, as the case may be.

(2) Permission will not be granted to appear privately at the next ensuing Admission Examination to candidates who have failed to obtain promotion into class X or the equivalent class in any School.

SUBJECTS TAKEN UP BY THE CANDIDATE.

N. B. Strike out subjects not taken up.

Group A

- (1) English
- (2) Mathematics
- (3) History and Geography
- (4) Samskrit
- (5) Any one or two of the following subjects:—
 - (a) A modern Indian language.
 - (b) Any other Classical language*
 - (c) A modern European language*
 - (d) Elementary Physics and Chemistry
 - (e) Botany
 - (f) Drawing
 - (g) Manual Training
 - (h) Agriculture and Surveying
 - (i) Commerce

Group B

- (1) English
- (2) Mathematics
- (3) History and Geography
- (4) A modern Indian language
- (5) Any one or two of the following subjects:—
 - (a) Samskrit
 - (b) Any other Classical language
 - (c) A modern European language

Group B (contd.)

- (d) Elementary Physics and Chemistry
- (e) Botany
- (f) Drawing
- (g) Manual Training
- (h) Agriculture and Surveying
- (i) Commerce

Group C

- (1) English
- (2) History and Geography
- (3) A modern Indian language
- (4) Any two or three of the following subjects:—
 - (a) Samskrit
 - (b) Mathematics
 - (c) Any other Classical language
 - (d) A modern European language
 - (e) Elementary Physics and Chemistry
 - (f) Botany
 - (g) Drawing
 - (h) Music
 - (i) Manual Training
 - (j) Agriculture and Surveying
 - (k) Commerce
 - (l) Domestic Science (with special reference to Indian conditions).

* Name the language here.

Roll No.

(3) BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,
BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Intermediate Examination of the Benares Hindu University.

The fee* of Rupees 24 is forwarded herewith.

I am, &c.,

Student,.....College.

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at College in each and all of the subjects offered, for not less than two years preceding the date of the Examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from this Examination.

Name.....

Principal,.....College

The.....

N B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

*This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full)
2. University Enrolment No.
3. Age (in years and months) on }
the first day of January, 19 } Years. Months
4. Name and occupation of }
father } Name.
Occupation.
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.
10. Date of passing the Admission or Equivalent Examination (with the name of the University or of Province).....
11. Date of passing the Previous Examination in Samskrit*
12. Modern Indian Language for Composition †.....
13. Whether he has appeared at the Intermediate Examination of any previous year—Yes or No.....

(Signature of Candidate in full).

*To be filled in by candidates who take up any other subject in lieu of Samskrit, under the proviso to Reg. 9 of Chap. XXVIII.

†Name the Language here.

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE DESIRES TO BE EXAMINED.

N. B.—Strike out subjects not taken up.

Group A (Arts Course) or Group B (Science Course)

Sanskrit	Mathematics or Biology
Another Classical Language†	Physics
Modern European Language†	Chemistry
Mathematics	
History	
Logic	
Drawing	
Manual Training	
A modern Indian language and literature (optional).....	
Civics	

†Name the Language here.

For Private Candidates only.

Roll No.....

BENARES HINDU UNIVERSITY,

INTERMEDIATE EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing Intermediate Examination of the Benares Hindu University.

The fee* of Rs. 24/- is forwarded herewith.

I am, etc.,

Private Candidate.

Teacher.....School.

or

Demonstrator.....—.....College.

[N. B.—Name to be written in full and clearly].

CERTIFICATE.

I CERTIFY that the above-named candidate has done continuous service for not less than 18 months under me; that two academical years have elapsed since the date of his passing the Admission Examination or an examination equivalent thereto; that he has been duly enrolled as a member of the Benares Hindu University; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from the Examination.

Name.....

Head Master,.....School.

or

Principal,.....College.

[The.....]

N. B.—This certificate is to be signed by the Headmaster of a recognised School or the Principal of a College under the University in which the candidate has put in 18 months of continuous service.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

Name [in full].....:

University Enrolment No.....

*This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

Age [in years and months] on Years Months
the first day of January, 19.....

Name and occupation of father. } Name.....
Occupation.....

Name of guardian.....

Religion.....

Race.....

Caste.....

District and town or village where resident.....

Date of passing the Previous Examination in Samskrit.....

Date of passing the Admission or Equivalent Examination [with the name of the University or province].....

Whether he has appeared at the Intermediate Examination of any previous year—Yes or No.....

Modern Indian Language for Composition*.....

[Signature of Candidate in full].

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE DESIRES TO BE EXAMINED.

Group A [Arts Course.]	Group B [Science Course.]
Sanskrit	Mathematics or Biology
Another Classical Language *	Physics
Modern European Language *	Chemistry
Mathematics	
History	
Elementary Economics	
Logic	
Drawing	
Manual Training	
A Modern Indian Language and Literature (optional)*	
Civics,	

* Name the Language here.

† To be filled in by candidates who take up any other subject in lieu of Samskrit, under the proviso to Regulation 9 of Chapter XXVIII.

For Women Private Candidates only.

Roll No.

(5) BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing Intermediate Examination of the Benares Hindu University.

The fee† of Rs. 24 is forwarded herewith,

I am, etc.,

Private Candidate.

Address.....

(N. B.—Name and Address to be written in full and clearly).

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that I believe the subjoined account to be true; and that I know nothing against her character which ought to debar her from this Examination.

Name.....

Designation.

The.

† This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

N. B.—This certificate is to be signed by a Government Inspector of Schools or, in a Native State, by the Inspector of Schools or the highest educational officer in the State or a Principal of a College affiliated to a University established by an Act of the Legislature, or a member of the Senate of the Benares Hindu University, .

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

Name (in full).....

University Enrolment No.

Age (in years and months) on the }
the first day of January 19 .) }years....months

Name and occupation } Name.....
of father. } Occupation.

Name of guardian.

Religion.....

Race.

Caste.....

District and town or village where resident.....

Date of passing the Admission or Equivalent Examination
(with the name of the University or Province).....

Date of passing the Previous Examination in Samskrit.....

Whether she appeared at the Intermediate Examination of
any previous year.....Yes or No.....

Modern Indian Language for Composition †.....

(Signature of Candidate in full).

* To be filled in by candidates who take up any other subject in lieu of Samskrit, under the proviso to Regulation of Chapter XXVIII.

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE DESIRES TO BE EXAMINED.

N. B.—Strike out subjects not taken up.

Group A (Arts Course).	Group B (Science Course,)
Sanskrit	Mathematics or Biology
Another Classical Language †	Physics
Modern European Language †	Chemistry.
Mathematics	
History	
Elementary Economics	
Logic	
Drawing	
Manual Training	
A Modern Indian Language and Literature (optional).....	
Civics.	

† Name the language here.

Roll No.

(6) BENARES HINDU UNIVERSITY.

B. A. EXAMINATION.

Application.

This application with the examination-fee must reach the
University Office on or before the.....
To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing
Examination for the Degree of Bachelor of Arts.

The fee* of Rupees 36 is forwarded herewith.

I am, &c.,

Student..... College.

N, B.—Name to be written in full and clearly.

* This application, with the examination-fee must be sent in the same cover, registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at College in each and all of the subjects offered, for not less than two years preceding the date of the Examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from graduating.

Name.....

Principal.....College.

The

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University Enrolment No.....
3. Age (in years and months
on the first day of January, 19 ..) }Years....Months
4. Name and occupation } Name.....
of father. } Occupation.
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....

9. District and town or village where resident.....
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province)
11. Date of passing the Previous Examination in Samskrit*
12. Date of passing the Intermediate Examination (with the name of the University).....
13. Whether he has appeared at the B A. Examination of any previous year—Yes or No.....
14. Modern Indian Language for Composition†.....
15. The subject, if any, in which the candidate appears for Honours.....

(Signature of Candidate in full).

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE DESIRES TO BE EXAMINED.

N. B.—Strike out subjects not taken up.

Samskrit

Any other Classical Language.....†

A modern European Language.....†

Philosophy

Mathematics

Political Economy and Political Philosophy

History

A modern Indian language & literature (optional)...

* To be filled in by candidates who take up any other subject in lieu of Samskrit, under the proviso to Reg. 7 of Chapter XXIX.

† Name the language here.

For Private Candidates only.

Roll No.....

(7) BENARES HINDU UNIVERSITY.

B.A. EXAMINATION.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing B. A. Examination of the Benares Hindu University.

The fee * of Rupees 36/ is forwarded herewith.

I am, &c.,

Private Candidate.

Teacher,.....School.

or

Demonstrator,.....College.

N.B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has done continuous service for not less than 18 months under me; that two academical years have elapsed since the date of his passing

* This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be received. *Half* Notes and postage Stamp

the Intermediate Examination; that he has been duly enrolled as a member of the Benares Hindu University; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from graduating.

Name.....

Head Master,.....School.

or

Principal,.

.College,

The.....

N. B.—This certificate is to be signed by the Principal or Head Master of a School or College under the University in which the candidate has put in 18 months of continuous service.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name (in full).....
2. University Enrolment No.....
3. Age (in years and months) on the }Years.
first day of January, 19..... } Months.
4. Name and occupation of } Name.....
father } Occupation.
5. Race.....
6. Religion.....
7. Caste.....
8. District and town or village where resident.....
9. Date of passing the Admission or Equivalent Examination
(with the name of the University).....
10. Date of passing the Intermediate Examination (with the
name of the University).....
11. Whether he has appeared at the B. A. Examination of
any previous year—Yes or No.....

12. Modern Indian Language for Composition†.
13. The subjects, if any, in which the candidate appears for Honours.....
14. Date of passing the Previous Examination in Samskrit*.
(Signature of candidate in full).

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE
DESIRES TO BE EXAMINED.

N.B.—Strike out subjects not taken up.

Sanskrit.

Any other Classical Language.....†

A Modern European Language.....†

Philosophy.

Mathematics.

Political Economy & Political Philosophy.

History.

A modern Indian language and Literature (optional)

For Women Private Candidates only.

Roll No.....

(8) BENARES HINDU UNIVERSITY.

B. A. EXAMINATION.

P.

P.

Application.

The application with the Examination-fee must reach the
University Office on or before the.....

* To be filled in by candidates who take up any other subject in lieu of Sanskrit, under the proviso to Regulation 7 of Chapter XXIX.

† Name the language here.

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing
A. Examination of the Benares Hindu University.

The fee* of Rs. 36 is forwarded herewith.

I am, etc.,

Private Candidate.

Address.....

(Name and Address to be written in full and clearly).

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that I believe the subjoined account to be true; that I know nothing against her character which ought to debar her from graduating.

Name.....
Principal,.....College.
or Member of the Senate of the
Benares Hindu University.

The.....

N. B.—This certificate is to be signed by the Principal of a College affiliated to a University established by an Act of the Legislature or a Member of the Senate of the Benares Hindu University.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name (in full).....
2. University Enrolment No.....

* This application, with the examination-fee, must be sent in the same cover, registered, or presented, by hand. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

3. Age (in years and months on the first day of January, 19..) }Years.
 } Months.
4. Name and occupation of father. } Name.....
 } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province)....
11. Date of passing the Intermediate Examination (with the name of the University).....
12. Date of passing the Previous Examination in Sanskrit*..
13. Whether she has appeared at the B. A. Examination of any previous year—Yes or No.....
14. Modern Indian Language for Composition†.....
15. The subject, if any, in which the candidate appears for Honours.....

(Signature of Candidate in full).

OPTIONAL SUBJECTS IN WHICH THE CANDIDATE
DESIRES TO BE EXAMINED.

N. B.—Strike out subjects not taken up.

Sanskrit.

Any other Classical Language.....*

A modern European Language.....*

Philosophy.

Mathematics.

* To be filled in by candidates who take up any other subject in lieu of Sanskrit, under the proviso to Regulation 7 of Chapter XXIX.

† Name the language here.

Political Economy & Political Philosophy.

History.

A modern Indian language and literature.....

(optional)

Roll No.....

(9) BENARÉS HINDU UNIVERSITY.

B. Sc. EXAMINATION.

Application.

This application with the Examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARÉS HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Examination for the Degree of Bachelor of Science.

The fee† of Rupees 36 is forwarded herewith.

I am, &c.,

Student,..

..

College.

N.B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Banares Hindu University; that

* Name the language here,

† This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

he has attended a regular course of study at College, in each and all of the subjects offered, including courses of practical instruction in all the Science subjects offered, for not less than two years preceding the date of the examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from graduating.

Name.....

Principal.....College.

The.....

N, B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE

1. Name (in full).....
2. University Enrolment No.....
3. Age (in years and months)
on the first day of Jan- ..Years..Months.
uary, 19.
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province).....
11. Date of passing the Intermediate Examination (with the name of the University).....

12. Whether he has appeared at the B. Sc. Examination of any previous year—Yes or No.....

(Signature of Candidate in full).

SUBJECTS TAKEN UP BY THE CANDIDATE.

N. B.—Strike out subjects not taken up.

English
Mathematics
Physics
Chemistry
Botany
Zoology
Mineralogy
Geology
Psychology

For Private Candidates Only.

Roll No.....

10 BENARES HINDU UNIVERSITY.

B. Sc. EXAMINATION, 192 .

APPLICATION.

This application with the examination fee must reach the University Office on or before the.....

* This application, with the examination fee, must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

* A candidate appearing at the Honours Examination shall be required to pay an extra fee of Rs. 5/- for each subject in which he takes up Honours.

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing Examination for the Degree of Bachelor of Science as a private candidate.

The fee of Rupees 36 is forwarded herewith.*

I am, &c.,

Private candidate.

Teacher.....School
or

Demonstrator.....College.

N.B.—Name to be written in full and clearly.

CERTIFICATE.

I certify that the above-named candidate has done continuous service for not less than 18 months under me, that two academical years have elapsed since the date of his passing the Intermediate Examination, that he has been duly enrolled as a member of the Benares Hindu University, that I believe the subjoined account to be true, and that I know nothing against his character which ought to debar him from graduating.

Name.....

Head-master.....

or

Principal.....

The.....

N. B.—This certificate is to be signed by the Head Master or Principal of a School or College under the University in which the candidate has put in 18 months' continuous Service.

N.B.—This application should be accompanied with a certificate from the Principal of a constituent College of the University to the effect that the candidate has completed the required Science course in the College Laboratory.

Roll No.....

PARTICULARS TO BE FILLED IN BY
THE CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age in years and months on
the 1st day of January, 192 . }Years....months.
4. Name and accupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District & town or village, where resident.....
10. Date of passing the Admission or equivalent examina-
tion (with the name of the University or Province).....
11. Date of prssing the Intermediate Examination (with the
name of the University).....
12. Whether he has appeared at the B. Sc. Examination of
any previous year. (Yes or No).....
13. The subject or subjects, if any, in which the candidate
appears for Honours.....
14. Whether the candidate offers English as an extra subject
(Signature of candidate in full).

SUBJECTS OFFERED BY THE CANDIDATE.

N.B.—Strike out the groups not taken up.

(a) Physics, Chemistry, Mathematics.

- (b) Physics, Chemistry, Geology.
- (c) Chemistry, Botany, Zoology.
- (d) Chemistry, Botany, Geology.
- (e) Chemistry, Zoology, Geology.
- (f) Chemistry, Industrial Chemistry & General and Chemical Engineering.

Roll No.....

(11) BENARES HINDU UNIVERSITY.

EXAMINATION FOR THE DEGREE OF MASTER OF ARTS, 192.

APPLICATION.

This application with the Examination-fee must reach the University Office on or before the.....

To

The REGISTRAR,

BENARES HINDU UNIVERSITY,

SIR,

I request permission to present myself at the ensuing Examination for the Degree of Master of Arts in*.....

The fee† of Rupees 50, is forwarded herewith.

I am, &c,

Student.....College.

N.B.—Name to be written in full and clearly

*State the subject of Examination and also the papers or Groups taken in the case of subjects which admit of it.

†This application, with the Examination-fee must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University, that he has attended a regular course of study at College in the subject offered for not less than two years preceding the date of the examination, that I believe the subjoined account to be true, and that I know nothing against his character which ought to debar him from graduating as a Master of Arts,

Name.....

Principal.....College.

The.....

N.B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

Roll No.....

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years and months on the 1st day of January, 192) }years....months
4. Name and occupation of father. } Name.....
Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....

10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province.)
.....
11. Date of passing the Intermediate Examination (with the name of the University).....
12. Date of passing the B.A., or B. Sc. Degree Examination (with the name of University).....
13. Whether he has appeared at the M. A. Examination of any previous year.—Yes or No.....

Signature of candidate in full.

For Women Private Candidates Only. Roll No.....

(12) BENARES HINDU UNIVERSITY,
EXAMINATION FOR THE DEGREE OF MASTER OF ARTS, 192
APPLICATION.

This application with the examination fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing examination for the Degree of Master of Art in*.....

The fee† of Rupees 50/- is forwarded herewith.

I am, &c.,

Private Candidate

Address..

N. B.—Name and address to be written in full and clearly.

*State the subject of examination and also the papers or groups taken, in the case of subjects which admit of it.

†This application with the examination fee, must be sent in the same cover, registered or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University, that I believe the subjoined account to be true, and that I know nothing against her character which ought to debar her from graduating as a Master of Arts.

Name.....

Principal.....College

or

Member of the Senate of the Benares
Hindu University.

The..

N. B.—This certificate is to be signed by the Principal of a College affiliated to a University established by an Act of the Legislature or a member of the Senate of the Benares Hindu University.

Roll No..

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years & months) on the }
1st day of January, 192 . }Years..Months...
4. Name & occupation } Name.....
of father, } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District & town of village where resident.....
10. Full postal address.....

11. Date of passing the Admission or Equivalent Examination (with the name of the University or Province)
12. Date of passing the Intermediate Examination (with the name of the University)
13. Date of passing the B.A. or B.Sc. Degree Examination (with the name of the University).
14. Whether she has appeared at the M. A. Examination of any previous year (Yes or No).....

Signature of candidate in full.

Roll No..

(13) BENARES HINDU UNIVERSITY.

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE 192

APPLICATION.

This application with the examination fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Examination for the Degree of Master of Science in*.....

The fee† of Rupees 50/—is forwarded herewith.

I am, &c.,

Student.....

. College.

N. B. Name to be written in full and clearly

*State the subject of Examination and also the papers or Groups taken in the case of subjects which admit of it.

†This application, with the examination fee must be sent in the same cover, registered or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University, that he has attended a regular course of study at college in the subject offered for not less than two years preceding the date of the examination, that I believe the subjoined account to be true, and that I know nothing against his character which ought to debar him from graduating as a Master of Science.

Name.

Principal..

The.

N.B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years & months) }
on the 1st day of January } .. Years.....Months..
192
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village, where resident.....
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province).....

11. Date of passing the Intermediate Examination (with the name of the University).....
12. Date of passing the B. Sc. Examination (with the name of the University).....
13. Whether he has appeared at the M. Sc. Examination of any previous year:—Yes or No.....
(Signature of candidate in full)

Roll No.....

(14) BENARES HINDU UNIVERSITY.

EXAMINATION FOR THE DEGREE OF LICENTiate
OF TEACHING.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,
BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Examination for the Degree of Licentiate of Teaching.

The fee* of Rupees 36 is forwarded herewith.

I am, &c.,

Student,.....College

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that

* This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

he has attended a regular course of study at College, for not less than one year preceding the date of the Examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from graduating as a Licentiate of Teaching.

Name.....

Principal,.....College.

The.

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

Roll No. .22

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

- (1) Name (in full).....
- (2) University Enrolment No.....
- (3) Age (in years and months) on } Years Months
the first day of January, 19 . }
- (4) Name and occupation } Name.....
of father. } Occupation.....
- (5) Name of guardian.....
- (6) Race.....
- (7) Religion.....
- (8) Caste.....
- (9) Occupation of the candidate before joining the Training College.
- (10) District and town or village where resident.....
- (11) Date of passing the Admission or Equivalent Examination (with the name of the University or Province)
- (12) Date of passing the Intermediate Examination (with the name of the University.)

- (13) Date of passing the B. A. or B. Sc. Examination (with the name of the University,)
- (14) Whether he has appeared at the L. T. Examination of any previous year—Yes or No.

(Signature of Candidate in full).

Roll No.

(15) BÉNARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION (ENGINEERING)

PART I.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Intermediate Examination (Engineering) Part I.*

[The fee† of Rupees 20 is forwarded herewith.

I am, &c.,

Student, College.

V. B.—Name to be written in full and clearly.

* This application, with the examination-fee, must be so same cover, registered, or presented by hand.

† The fee must be in Cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at College in each and all of the subjects offered, for not less than one year preceding the date of the Examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from this Examination.

Name.....

Principal,.....College.

The.....

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University Enrolment No.....
3. Age (in years and months) on }
the 1st day of January, 19 . } ..Years....Months,....
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province).....

11. Date of passing the Intermediate Examination (with the name of the University).
12. Whether he has appeared at the Intermediate Examination (Engineering) Part I, of any previous year—Yes or No.

(*Signature of Candidate in full*).

Roll No.

(16) BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION (ENGINEERING),

PART II.

Application.

This application with the examination-fee must reach the University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Intermediate Examination (Engineering) Part II*

The fee† of Rupees 20 is forwarded herewith.

I am, &c.,

Student, College

N. B.—Name to be written in full and clearly.

*This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand.

†The fee must be in Cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at College in each and all of the subjects offered, for not less than one year preceding the date of the Examination; that I believe the sub-joined account to be true; and that I know nothing against his character which ought to debar him from this Examination,

Name.....

Principal,..... College.

The.

N.B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University Enrolment No.
3. Age (in years and months) }
on the first day of January } Years....Months...
19 }
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian,.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident..
10. Date of passing the Admission or Equivalent Examination (with the name of the University or Province.).

11. Date of passing the Intermediate Examination (with the name of the University).
12. Date of passing the Intermediate Examination (Engineering), Part I.
13. Whether he has appeared at the Intermediate Examination (Engineering), Part II, of any previous year—Yes or No.

(Signature of Candidate in full).

Roll No.

(17) BENARES HINDU UNIVERSITY

B. SC. EXAMINATION (ENGINEERING)

PART I. 192.

APPLICATION.

This application with the examination-fee must reach the University Office on or before the—

[To

The REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing B. Sc. Examination (Engineering) Part I.

The fee of Rupees 30 is forwarded herewith.

I am &c.,

Student.....College.

N. B.—Name to be written in full and clearly.

This application, with the examination fee, must be sent in the same cover, registered or presented by hand. The fee must be in Cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at College, in each and all of the subjects offered for not less than one year preceding the date of the examination, that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from going up for the Examination.

Name.....

Principal..... College.

The.

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

Roll No.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE

- (1) Name in full.....
- (2) University enrolment No.....
- (3) Age (in years & months) on the } Years...Months.
first day of January 192.
- (4) Name & occupation } Name
of father. } Occupation.....
- (5) Name of guardian.....
- (6) Race.....
- (7) Religion.....
- (8) Caste.....
- (9) District & town or village where resident.....
- (10) Date of passing the Admission or equivalent Examination (with the name of the University or Province)....
- (11) Date of passing the Intermediate Examination, with the name of the University.....

- (12) Whether he has appeared at the B. Sc. Examination in Pure Science—Yes or No.....
- (13) Date of passing the Intermediate Examination in Applied Science (Engineering) Part I.....
- (14) Date of passing the Intermediate Examination in Applied Science (Engineering) Part II.....
- (15) Whether he has appeared at the B. Sc. Examination in Applied Science (Engineering) Part I of any Previous Year..Yes or No.

(Signature of candidate in full).

Roll No.

(18) BENARES HINDU UNIVERSITY.

BACHELOR OF SCIENCE EXAMINATION (ENGINEERING) PART II.

192

APPLICATION.

This application with the examination-fee must reach the University Office on or before the.....

To THE REGISTRAR.

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing B.Sc. Examination ^{Mechanical}_{Electrical} (Engineering) Part II.

The fee of Rupees 30/- is forwarded herewith.

I am, &c.,

Student,.....College,

N. B.—Name to be written in full and clearly.

This application, with the examination-fee must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above named candidate has been duly enrolled as a member of the Benares Hindu University, that he has attended a regular course of study at College, in each and all of the subjects offered, for not less than one year preceding the date of the examination, that I believe the subjoined account to be true, and that I know nothing against his character which ought to debar him from going up for the Examination.

Name.....

Principal,.....College.

The.....

N. B.—This certificate is to be signed by the Principal of the institution at which the candidate has studied.

Roll No.....

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE

- (1) Name (in full).....
- (2) University enrolment No.....
- (3) Age (in years and months) on the }
first day of January, 192 . } years..months..
- (4) Name and occupation } Name.....
of father. } Occupation.....
- (5) Name of guardian.....
- (6) Race.....
- (7) Religion.....
- (8) Caste.....
- (9) District and town or village where resident.....
- (10) Date of passing the Intermediate Examination (Engineering) Part II.....

- (11) Date of passing the Intermediate Examination (Engineering) Part II.....
- (12) Date of passing the Bachelor of Science Examination
(Engineering) Part I.
- (13) Whether he has appeared at the Bachelor of Science
(Engineering) Part II of any previous year. (Yes
or No).....

(Signature of candidate in full)

(19) BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION IN MINING AND
METALLURGY, PART I, 192 .

This application with the examination-fee must reach the
University Office on or before the.....192 ..

To

THE REGISTRAR,
BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing
Intermediate Examination in Mining and Metallurgy Part I.

The fee* of Rs. 20/- (twenty) is forwarded herewith.

I am, &c..

Student.....College.

The

N. B.—Name to be written in full and clearly..

* This application, with the examination-fee must be presented by
hand to the Registrar, or sent to him in the same cover by Registered
Post. The fee must be in Cash or Government Currency Notes. Half-
Notes and Postage Stamps will not be received.

CERTIFICATE.

I certify that the above named candidate has been duly enrolled as a member of the Benares Hindu University ; that he has attended a regular course of study at the University in all the subjects prescribed for the Intermediate Examination in Mining and Metallurgy, Part I in accordance with the Regulations of the University; that I believe the sub-joined account to be true; and that I know nothing against his character which ought to debar him from going up for the examination.

Signature.....

Principal.....*College*.

The

N. B.—This certificate is to be signed by the Principal of the institution at which the candidate has studied.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years and months }
on the first day of Janu- }Years.....Months.
ary, 192 .)
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....
10. Date of passing the Intermediate Examination with
Physics, Chemistry and Mathematics (with the name
of the University).

or

Date of passing the B. Sc. Examination with Geology and Chemistry (with the name of the University) ..

11. Whether the candidate has appeared at the Intermediate Examination in Mining and Metallurgy, Part I, of any previous year—Yes or No, and if so of which year.

(Signature of candidate in full).

Roll No.....

(19) BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION IN MINING AND METALLURGY, Part II, 192

APPLICATION.

This application with the examination-fee must reach the University Office on or before the.....192

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing Intermediate Examination in Mining and Metallurgy, Part II.

The fee* of Rs. 20/- (twenty) is forwarded herewith.

I am, &c.,

Student.....College.

The.

N. B.—Name to be written in full and clearly.

* This application, with the examination-fee, must be presented by hand to the Registrar, or sent to him in the same cover by Registered Post. The fee must be in cash or Government, Currency Notes. Half-Notes and Postage Stamps will not be accepted.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at the University in all the subjects prescribed for the Intermediate Examination in Mining and Metallurgy, Part II, in accordance with the Regulations of the University; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from going up for the examination.

Signature.....

Principal.....*College*.

The.....

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

Roll No.....

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years and months }
on the first day of Janu- }Years.....Months.
ary, 192 .)
4. Name and occupation } Name.....
of father. } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....

- Roll No.....

APPLICATION.

To

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing B. Sc. Examination in Mining and Metallurgy, Part I.

The fee* of Rs. 30/- (thirty) is forwarded herewith.

I am, &c.,

Student.....College.

N. B.—Name to be written in full and clearly.

* This application, with the examination-fee, must be presented by hand to the Registrar, or sent to him in the same cover by Registered Post. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be accepted.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University ; that he has attended a regular course of study at the University in all the subjects prescribed for the B. Sc. Examination in Mining and Metallurgy, Part I in accordance with the Regulations of the University; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from going up for the examination.

Signature,.....

Principal.....*College*.

The.

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied,

Roll No.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.....
3. Age (in years and months }
 ou the first day of Janu- }Years....Months....
 ary, 192 .) }
4. Name and occupation { Name.....
 of father. } Occupation.
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....
10. Date of passing the Intermediate Examination in Mining
 and Metallurgy Part II.....

Note.—If this examination is not passed, the candidate shall also take Assaying as part of the B. Sc. Examination, Part I under Regulation 7 of Chapter XXXIV C of the Regulations,

or

Date of passing the B. Sc. examination with Geology and Chemistry (with the name of the University)

and

Date of passing the Intermediate Examination in Mining and Metallurgy, Part I

11. Whether the candidate has appeared at the B. Sc. Examination in Mining and Metallurgy, Part I of any previous year Yes or No..... and if so, of which year

Signature of candidate in full.

Roll No.....

(21) BENARES HINDU UNIVERSITY.

B. Sc. EXAMINATION IN MINING PART II, 192.

APPLICATION.

This application with the examination-fee must reach the University Office on or before the.....192

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY,

SIR,

I request permission to present myself at the ensuing B. Sc. Examination in Mining, Part II.

The fee* of Rupees 30/- (thirty) is forwarded herewith

I am, &c.

The..... *Student*.....*College*

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at the University in all the subjects prescribed for the B. Sc. Examination in Mining, Part II in accordance with the Regulations of the University; that I believe the subjoined account to be true and that I know nothing against his character which ought to debar him from going up for the examination.

Signature.....

The..... *Principal*.....*College*

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

Roll No......

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name (in full).....
(Write legibly. The name as will appear on the diploma will be exactly as given here).
2. University Enrolment No.
3. Age (in years and
months on the 1st
day of January Years.....Months.
192). J

* The application, with the examination fee, must be presented by to the Registrar, or sent to him in the same cover by Registered Post. The fee must be in cash or Government Currency Notes. Half-Notes and Postage Stamps will not be accepted.

4. Name and occupation } Name.....
 of father } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....
10. Date of passing the B. Sc. Examination in Mining and Metallurgy Part I.....
11. Whether the candidate has appeared at the B. Sc. Examination in Mining Part II of any previous year Yes or No.....and if so, of which year.
12. If the candidate has undergone practical experience in a Mine or at a Metallurgical Works for a period of not less than three months and desires an endorsement to that effect on his diploma in accordance with Regulation 14 Chapter XXXIV C of the Regulations, he is required to give below particulars of documents attached to this application in evidence of such practical experience

(Signature of Candidate in full)

Roll No.....

(22) BENARES HINDU UNIVERSITY.

B.SC. EXAMINATION IN METALLURGY, PART II, 192

APPLICATION.

This application with the examination-fee must reach the University Office on or before the.....192

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

Sir,

I request permission to present myself at the ensuing B.Sc. Examination in Metallurgy, Part II.

The fee* of Rs. 30/- (thirty) is forwarded herewith.

I am, &c.

The.....

Student.....College.

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has attended a regular course of study at the University in all the subjects prescribed for the B.Sc. Examination in Metallurgy Part II, in accordance with the Regulations of the University; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from going up for the Examination.

Signature.....

The.....

Principal.....College.

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

* This application, with the examination fee, must be presented by hand to the Registrar, or sent to him in the same cover by Registered Post. The fee must be in cash or Government Currency Notes. Half-notes and Postage Stamps will not be accepted.

*Roll No.*PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
(Write legibly. The name as will appear on the diploma will be exactly as given here.)
2. University Enrolment No.....
3. Age (in years months }
on the First day of } years..... months.
January, 129 .) }
4. Name and occupation } Name.....
of father. } Occupation.
5. Name of Guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....
10. Date of passing the B.Sc. Examination in Mining and Metallurgy, Part I.....
11. Whether the candidate has appeared at the B.Sc. Examination in Metallurgy, Part II of any previous year Yes or no.....
and if so, of which year
12. If the candidate has undergone practical experience in a Mine or at a Metallurgical Works for a period of not less than three months and desires an endorsement to that effect on his diploma in accordance with Regulation 14 of Chapter XXXIV C of the Regulations, he is required to give below particulars of documents attached to this application in evidence of such practical experience.

(Signature of Candidate in full).

Roll No.....

(23) BENARES HINDU UNIVERSITY.

PRELIMINARY EXAMINATION FOR THE ENGINEERING
DIPLOMA, 192 .
APPLICATION.

This application with the examination-fee, must reach the University office on or before the.....192

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Preliminary Examination for the Engineering Diploma.

The fee* of Rupees 20 (twenty) is forwarded herewith.

I am, &c.,

Student.....College.

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that he has prosecuted a regular course of study and practice in each and all of the subjects offered, for not less than two years preceding the date of the Examination; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from going up for the examination.

Name.....

Principal.....College.

The.....

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

* This application, with the examination-fee, must be sent in the same cover registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

Roll No.....

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full)
2. University Enrolment No.....
3. Age (in years and months on } Years....Months....
the 1st day of January 192 .) }
4. Name and occupation of father } Name.
Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. Full permanent address.....
10. Date of passing the Admission or Equivalent Examination
(with the name of the University)
11. Whether he has appeared at the Preliminary Examination
for the Engineering Diploma of any previous year.....
Yes or No.....

*(Signature of Candidate in full).**Roll No.***(24) BENARES HINDU UNIVERSITY.**

THE PREVIOUS EXAMINATION FOR THE DEGREE

OF LL. B., 192 .

APPLICATION.

This application with the examination-fee must reach the
University Office on or before the.....

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing
Previous Examination for the Degree of LL. B.

The fee* of Rupees 20 is forwarded herewith.

I am, &c.,

Student.....College.

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I CERTIFY that the above-named candidate has been duly enrolled as a member of the Benares Hindu University, that he has attended a regular course of lectures at the Law College for one year preceding the date of the examination, that I believe the subjoined account to be true and that I know nothing against his character which ought to debar him from appearing at the examination.

Name.....

Principal.....College

The.

N. B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

This application, with the examination-fee, must be sent in the same cover, registered, or presented by hand. The fee must be in Cash or Government Currency Notes. Half-Notes and Postage Stamps will not be received.

Roll No.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.
3. Age in years and months
on the 1st day of January, 192 }Years.....Months
4. Name and occupation of } Name.....
father } Occupation.....
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Caste.....
9. District and town or village where resident.....
10. Date of passing the B.A. or B. Sc. Examination (with
the name of the University).....
11. Whether he has appeared at the Previous Examination
for the Degree of LL. B. of any previous year.....
Yes or No.....

(Signature of candidate in full)

(25)

BENARES HINDU UNIVERSITY

FINAL EXAMINATION FOR THE DEGREE OF BACHELOR
OF LAWS 192

APPLICATION.

This application with the examination-fee must reach the
University Office on or before the.....192

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Final Examination for the Degree of Bachelor of Laws.

The fee* of Rupees 30/- is forwarded herewith.

I am &c.

Student.....College.

N. B.—Name to be written in full and clearly.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares University; that he has attended a regular course of study at College for not less than one year after passing the Previous Examination for the Degree of LL. B.; that I believe the subjoined account to be true; and that I know nothing against his character which ought to debar him from graduating as a Bachelor of Laws.

Name.

Principal.....College.

The.

N.B.—This certificate is to be signed by the Principal of the Institution at which the candidate has studied.

*This application, with the examination fee, must be sent in the same cover, registered, or presented by hand. The fee must be in cash or Government Currency Notes. Half Notes and postage Stamps will not be received.

Roll No.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

1. Name (in full).....
2. University enrolment No.
3. Age (in years and months on }
the 1st day of January 192 } Years....Months....
4. Name and occupation of father }
} Name.....
} Occupation.
5. Name of guardian.....
6. Race.....
7. Religion.....
8. Full permanent address.....
9. Date of passing the Previous LL.B. Examination.
10. Whether he has appeared at the Final Examination for
the Degree of Bachelor of Laws of any previous year—
Yes or No.....

(Signature of Candidate in full)

Roll No.....

(26) BENARES HINDU UNIVERSITY.

PREVIOUS EXAMINATION IN SAMSKRIT

192

This application with the examination fee must reach
the University Office on or before the.....192

APPLICATION.

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to present myself at the ensuing Previous Examination in Samskrit.

The fee* of Rs. 2 is forwarded herewith

I am, &c.,

(Name to be written in full and clearly).

Student.....Class

or Teacher

in the..... College.
School.

CERTIFICATE.

I certify that the above-named candidate has been duly enrolled as a member of the Benares Hindu University; that I know nothing against his character which ought to debar him from this Examination and that I believe the subjoined account to be true.

This certificate is to be signed by the Principal Hd. Master of the affiliated Institution at which the candidate has studied, or is serving as a teacher.

Name.

Principal
Head Master

College.
School.

The

* This application with the examination fee, must be sent in the same cover registered or presented by hand. The fee must be in cash or Government currency notes. Half Notes and Postage Stamps will not be received.

PARTICULARS TO BE FILLED IN BY THE
CANDIDATE.

Name (in full).....

University Enrolment No.....

Age (in years and months on the }
first day of January 19....). } Years....Months....

Name and Occupation }
of father } Name.....Occupation....

Name of guardian.....

Religion.....

Race (*i. e., nation, tribe, &c., &c.*).....

Caste, if any.....

District and town or village where resident.....

Date of passing the Admission Examination.....

Optional subjects in which to be examined.....

Whether he has appeared at this Examination on any previous
occasion Yes or No.....

Whether he intends to appear at the Intermediate
B. A. Examination
of.....

(27)

॥ श्री ॥

P काशी-हिन्दु-विश्वविद्यालयस्य प्रवेशिका-परीक्षाया P आवेदनपत्रम् ।

-०:-

श्रीशुत—काशी-हिन्दु-विश्वविद्यालय—“रेजिस्ट्रार”, महोदयेषु—अहं काशी-
हिन्दु-विश्वविद्यालयस्यागामिन्यां प्रवेशिकापरीक्षायामुपस्थातुमिच्छामि
तत्रानुमतिप्रदानेनानुग्राह्योऽहं श्रीमन्निरिति—

निवेदकः

(परीक्षार्थिनो हस्ताक्षरम्)-

(पाठशाला)-

अधो लिखिता विषयाः परीक्षार्थिना पाठशालाध्यक्षसमक्षं स्वहस्तेन लेखनीयाः ।

वपनामसहितं स्वनाम—

पितृनाम—

संरक्षकनाम—

वयः—

जातिः—

मातृभाषा—

स्वदेशनाम—

वर्तमान-वासस्थानम्—

पाठशालानाम—

वैकल्पिकग्रन्थेषु परिगृहीतग्रन्थनाम—

परीक्षास्थान-नाम—

(पाठशालाध्यक्षस्य हस्ताक्षरम्)—

(28)

॥ श्रीः ॥

P काशी-हिन्दु-विश्वविद्यालयस्य प्रवेशिका परीक्षाया P आवेदनपत्रम् ।

—:०:—

श्रीयुत—काशी-हिन्दु-विश्वविद्यालय—‘रेजिस्ट्रार’, महोदयेषु—

अहं काशी-हिन्दु-विद्यालयस्यागामिन्यां प्रवेशिकापरीक्षायामुपस्थातुमिच्छामि । तत्रानुमतिप्रदानेनानुग्राह्योऽहं श्रीमद्विरिति—

निवेदकः

(परीक्षार्थिनो हस्ताक्षरम्)

उपनामसहितं स्वनाम

पितृनाम

संरक्षकनाम

वयः

जातिः

मातृभाषा

स्वदेशनाम

वर्त्तमान-वासस्थानम्

वैकल्पिक-ग्रन्थेषु परिगृहीतग्रन्थनाम

परीक्षास्थान-नाम

प्रमाणपत्रम्

अयं परीक्षार्थी

प्रवेशिकापरीक्षायां प्रवेष्टुमर्हतीति प्रमाणयति ।

(प्रमाणपत्राधिकारिणो हस्ताक्षरम्)

(पदनाम)

(धाम)

(29)

काशी-हिन्दु-विश्वविद्यालयस्य ^{प्राच्यविद्याविभागीय}
धर्मविज्ञानविभागीय

मध्यमा परीक्षाया आवेदनपत्रम् ।

-:०:-

श्रीयुत—काशी-हिन्दु-विश्वविद्यालय-रेजिस्ट्रार-महोदयेषु—

अहं काशी-हिन्दु-विश्वविद्यालयस्यागामिन्यां मध्यमपरीक्षायामुपस्थातुमि-
च्छामि । तत्रानुमतिप्रदानेनानुग्राह्योऽहं श्रीमद्भिरिति—

निवेदकः ।

(परीक्षार्थिनो हस्ताक्षरम्) —————

(पाठशाला) —————

अधोलिखिता विषयाः परीक्षार्थिना पाठशालाध्यक्षसमक्षं स्वहस्तेन
लेखनीयाः ।

उपनामसहितं स्वनाम —————

पितृनाम —————

संरक्षकनाम —————

वयः —————

जातिः —————

मातृभाषा —————

स्वदेशनाम —————

वर्तमानवासस्थानम् —————

वृत्तीर्णपरीक्षानाम, पूर्वाध्ययनस्थानम् —————

पाठशालानाम —————

वैकल्पिकेषु परिगृहीत-विषयनाम ग्रन्थनाम च —————

परीक्षास्थाननाम —————

(पाठशालाध्यक्षस्य हस्ताक्षरम्) —————

(30)

क्रमसंख्या

काशी हिन्दू विश्वविद्यालय ।

सम्बन्धनः

प्राच्यविद्या विभागस्य शास्त्रि परीक्षाया

आवेदनपत्रम् ।

संवत्

श्रीयुत रजिस्ट्रार महोदयेषु,

काशी हिन्दू विश्वविद्यालये,

काश्याम् ।

महाशयाः,

भविष्यन्त्यां प्राच्यविद्याविभागस्य शास्त्रि परीक्षायां प्रवेशाय श्रीमद्भिर-
नुमतिदानेनानुग्राह्यमात्मान् मिच्छामीति निवेदयेते अनेनावेदनपत्रेण सह.....
परीक्षाशुल्कं च प्रेषयति

वशंवदः

परीक्षार्थिना पूर्ण स्पष्टञ्च नाम लेख्यम्.....छात्रः

प्रमाणपत्रम् ।

उपरिष्ठा निर्दिष्टस्य परीक्षार्थिनो नाम विश्वविद्यालयछात्राणां नाम पुस्ति-
कायां सन्निविष्टमस्ति । परीक्षार्थी परीक्षणीयान् विषयान् परीक्षातिथेः पूर्वमेव
पाठशालायां सुपाध्यायात् वर्षत्रय नियमेनाधीतवान् परीक्षार्थिना लिखितमावेदन
पत्र समीचीनं विवरणं तथ्यमिति मेप्रतीतिः परीक्षार्थिन आचारे किंचिदपि ता-
दृशं न प्राप्यते येन स परीक्षा प्रवेशानर्हो भवेदित्येतत् सर्वमपि सत्यापयति ।

.....नामा

.....पाठशालाध्यक्षः

अस्मिन् प्रमाणपत्रे तत्पाठशालाध्यक्ष हस्ताक्षरैर्भवितव्यं यत्र परीक्षार्थिना
अध्ययनं मकारि ।

परीक्षार्थिना स्वयमुल्लिख्य विवरणीया विषयाः

परीक्षार्थिनो नाम.....

विश्वविद्यालय प्रवेश संख्या.....
 वात्सरिक मासस्य प्रथमदिवसे परीक्षार्थिनो वयः.....
 पितृनाम.....
 पितृव्यवसायः.....
 संरक्षक नाम.....
 धर्मः.....
 जातिः.....
 निवासस्थानम्.....
 मध्यमपरीक्षोत्तरणतिथिः.....
 प्रवेशिकायाः तत्समानत्वेनानुपतस्य परीक्षान्तरस्यवोत्तरणतिथिः.....
 पूर्वं कदाचित् शास्त्रिपरीक्षा दत्ता नवा.....
 वैकल्पिकोविषयः.....

परीक्षार्थिनः स्वहस्ताक्षराङ्कितं संपूर्णं नाम

क्रमसंख्या

(31) काशी हिन्दू विश्वविद्यालय संबन्धिनः

धर्म विज्ञान विभागस्य स्मृतिरत्न परीक्षायां
 धर्मशास्त्रि

आवेदनपत्रम् ।

३२

श्रीयुत रजिस्ट्रार महोदयेषु,
 काशी हिन्दू विश्वविद्यालये
 काश्याम्

महाशयाः,

भविष्यन्त्यां स्मृतिरत्न परीक्षायां प्रवेशाय श्रीमद्भिरनुमतिदाने नानुग्राह-
 मात्मान मिच्छामीति निवेदयेत् ।

अनेनावेदन पत्रेण सह.....परीक्षाशुल्कं च प्रेषयति ।

वशंवदः

परीक्षार्थिना पूर्णं च स्पष्टं च नाम लेख्यम्.....छात्रः

प्रमाणपत्रम् ।

उपरिष्ठा निर्दिष्टस्य परीक्षार्थिनो नाम विश्वविद्यालयच्छात्राणां नाम पुस्तिकायां सन्निविष्टमस्ति, परीक्षार्थी परीक्षणीयान् विषयान् परीक्षातिथेः पूर्वमेव पाठशालायामुपाध्यायात् वर्षत्रयं नियमेनाधीतवान् परीक्षार्थिनां लिखितमावेदनपत्रं समीचीनं विवरणं तथ्यमिति मे प्रतीतिः परीक्षार्थिनः आचारे किञ्चिदपि तादृशं न प्राप्यते येन स परीक्षा प्रवेशानर्हो भवेदित्येतत्सर्वं मपि सत्यापयति ।

.....नामा

.....पाठशालाध्यक्षः

अस्मिन् प्रमाणपत्रे तत्पाठशालाध्यक्षहस्ताक्षरैर्भवितव्यं यत्र परीक्षार्थिना अध्ययनमकारि ।

क्रमसंख्या

परीक्षार्थिना स्वयमुल्लिख्य विवरणीया विषयाः

परीक्षार्थिनो नाम.....

विश्वविद्यालय प्रवेश संख्या.....

वात्सरिक मासस्य प्रथमदिवसे परीक्षार्थिनो वयः.....

पितृ नाम.....

पितृव्यवसायः.....

संरक्षक नाम.....

धर्मः.....

जातिः.....

निवासस्थानम्.....

प्रवेशिकायाः तत्समानत्वेनानुमतस्यपरीक्षान्तरस्यवोत्तरणतिथिः.....

पूर्वकदाचित् स्मृतिरत्न परीक्षा दत्तानवा
धमशास्त्र

परीक्षार्थिनः स्वहस्ताक्षराङ्कितं संपूर्णं नाम

(32) काशी हिन्दू विश्वविद्यालय-सम्बन्धिनः

प्राच्यविद्या विभागस्य
धर्मविज्ञान

शास्त्राचार्योपाधि
स्मृतिसागरोपाधि, धर्माचार्योपाधि लब्धम्

आवेदनपत्रम् ।

श्रीयुत रजिस्ट्रार महोदयेषु,

काशी हिन्दू विश्वविद्यालये,

काश्याम् ।

महाशयाः

एषोऽहं प्राच्यविद्या विभागे,
धर्मविज्ञान

विषये

शास्त्राचार्यपदवीं लब्धुमनुज्ञां प्रार्थये । तत्कृते च
स्मृतिसागरपदवीं धर्माचार्यपदवीं नियतपरीक्षायां प्रवेशाय श्रीमद्भिरनुमतिदानेनानुगृहीतमात्मानमिच्छामि
पूर्वं मद्भिज्ञापनानुसारेण प्राच्यविद्या सदसानुमोदितो निबन्धश्च
धर्मविज्ञाननामा परीक्षायानेनावेदनपत्रेण सह प्रेष्यते ।

वर्शवदः .

..... शास्त्री
..... स्मृतिरत्नः धर्मशास्त्री

(परीक्षार्थिना स्वनाम स्वहस्तेन स्पष्टं पूर्णं च लेख्यम् ।)

प्रमाणपत्रम् ।

अस्योपाध्यर्थिनो नाम काशीविश्वविद्यालयच्छात्राणां नाम पुस्तिकायां
संनिविष्टमस्ति असौ शास्त्रि० उपाधिलाभादूर्ध्वं
स्मृतिरत्न धर्मशास्त्रि
वर्षद्वयादभ्युन्नं कालं शास्त्राचार्यं पदानुकूलं परीक्षणीयं शास्त्रं
स्मृतिसागर धर्माचार्यं
काशीविश्वविद्यालयाध्यापकेभ्यः सम्यगभ्यस्तवान् प्राच्यविद्या विभाग
धर्मविज्ञान

सदसानुमोदिते विषये पूर्वोक्तं निबन्धं स्वप्रहृया स्वश्रमेणच स्वयमेव रचितवान् ।
तल्लिखितमावेदनपत्रं समीचीनं विवरणं च तथ्यमिति मे प्रतीतिः । उपाध्यर्थिनः
आचारे किमपि तादृशं नोपलभ्यते येनायं परीक्षाप्रवेशानर्हः शास्त्राचार्योपाधेर्वी-
नर्हो भवेदिति सर्वं सत्यापयति ।

.....नाम

प्राच्यविद्या विभागस्याध्यक्षः
धर्मविज्ञान

उपाध्यर्थिना स्वयमुल्लिख्य विवरणीया विषयाः ।

नाम.....

विश्वविद्यालयप्रवेशे लिखितका संख्या

वात्सरिकमासस्य प्रथमदिवसे वयः

पितृनाम

पितृव्यवसायः स्वस्य वा

संरक्षकनाम यदि परतंत्रः

धर्मः

जातिः

निवासस्थानम्

प्रवेशिकायास्तत्समानत्वेनानुमताया वा परीक्षायाउत्तरण तिथिः

मध्यमपरीक्षायास्तत्समानत्वेनानुमताया वा परीक्षाया उत्तरणतिथिः

शास्त्रिपरीक्षोत्तरणतिथिः शास्त्रनाम च

पूर्वं शास्त्राचार्योपाध्यर्थं यतितं न वा

विच्चासदसा स्वीकृतः उपाध्यर्थिना समुपस्थापितो निबन्धः

.....

उपाध्यर्थिनः स्वहस्तेन पूर्णं नाम

(B) Forms for the Registration of Graduates.

BENARES HINDU UNIVERSITY.

FORM OF APPLICATION FOR ENTRY OF NAME UPON
THE REGISTER OF GRADUATES.

To

THE REGISTRAR.

BENARES HINDU UNIVERSITY,

Benares.

SIR.

I request that my name be entered in the Register of Graduates maintained under Chapter X of the Regulations. I have remitted the sum of Rs. 5 as initial fee, together with Rs. 2 as the fee for the first year, or the composition fee of Rs. 20.

I have the honour to be,

Sir,

Your most obedient servant,

.....

Full name and address.....

Present occupation.....

Degree or Degrees taken, with
dates mentioned in the diplomas }
of Degrees. }

College from which degree was taken.....

N.B.—(1) Chapter X of the Benares Hindu University Regulations, dealing with the Registration of Graduates is printed overleaf.

- (2) When Graduates apply for the entry of their names on the Register of Graduates, after more than six months from the date on which the degree was conferred on them, the initial fee payable will be Rs. 10.

- (3) Graduates applying for registration of their names, are requested to inform the Registrar from time to time of any change in their permanent address or in their occupation.

CHAPTER X OF THE REGULATIONS.

BENARES HINDU UNIVERSITY.

Registration of Graduates.

1. All graduates of the University shall, on payment of a registration fee of Rs. 5, be entitled to have their names entered on the Register of University Graduates.
2. Subject to the provision of Statute (20) (2) (vii) *vis*, that the Senate shall have power to maintain a register of graduates), the Register shall be kept in such form as the Syndicate shall prescribe.
3. Application for entry of name on the Register of University Graduates shall be ordinarily made within six months of the date on which the degree was conferred on the applicant at the Convocation. After the said period, applicants shall be required to pay a fee of Rs. 10.
4. Each registered graduate shall be required to pay an annual fee of Rs. 2. on or before the 31st of January of each year. In case of non-payment before such date, his name shall be removed from such Register, but he shall be eligible for re-entry on payment of the fee in arrears.
5. The fees payable for admission and the annual fee payable may be compounded on payment of Rs. 20, at any time.
6. Registered graduates shall be entitled to take part in the Convocations, and shall be entitled to such other privileges and rights as may from time to time be conferred in conformity with the Regulations.

**(C) Forms for the Enrolment of Students as
Members of the University.**

BENARES HINDU UNIVERSITY.

**FORM OF APPLICATION FOR ENROLMENT AS A MEMBER
OF THE BENARES HINDU UNIVERSITY.**

To

THE REGISTRAR,

BENARES HINDU UNIVERSITY.

SIR,

I request permission to be enrolled as a member of the Benares Hindu University, and submit the following statement duly filled in:—

The fee of Rupees Two is forwarded herewith.

1. Name.....
 2. Age at admission.....
 3. Father's name.....
 4. Examinations passed.....
- (a) Admission (or Equivalent Examination*), of
in the year

* (1) Matriculation Examination of any Indian University established by an Act of Legislature. (2) The School Leaving Certificate Examination or the High School Examination of the United Provinces, (3) The School Leaving Examination of Ajmer-Merwara, (4) The Senior Oxford Local Examination. (5) The Senior Cambridge Local Examination. (6) The Final Examination prescribed for European Schools. (7) The Diploma Examination of a Chiefs' College, &c. (8) The School Leaving Certificate Examination of the Madras Presidency. (9) The School Final Examination of the North Western Frontier Province. (10) The School Leaving Certificate Examination of the Panjab. (11) The School Leaving Certificate Examination of the Government of Bihar and Orissa. (12) The School Leaving Certificate Examination of Bombay. (13) The School Leaving Certificate Examination of the States of Hyderabad, Cochin, Travancore and Mysore. (14) The Entrance Examination of the Mysore University.

(b) Intermediate of.....

(c) B. A. or B. Sc. of.....

(d) M. A. or M. Sc. of.....

5. Name or names of College or Colleges,† if any, ever attended by him, and the dates of entering and leaving.....

Date.

I am, &c.,

Student,.....Year Class.

Principal.....CollegeCollege.

† In the case of students allowed by special grace of the Senate to attend lectures or carry on research in the University, the authority should be quoted.

Book No.

Benares Hindu University.



FOIL

FORM OF RECEIPT FOR ENROLMENT
FEE.

I beg to acknowledge the receipt of
Rs. 2, being the fee for enrolment as a
member of the Benares Hindu University.
Your name has been duly enrolled as

.....

No.

BENARES :

192 . } Registrar,
Benares Hindu University.

The

Book No.

Benares Hindu University.



COUNTERFOIL.

FORM OF RECEIPT FOR ENROLMENT FEE.

I beg to acknowledge the receipt of Rs. 2 (Two
only), being the fee for enrolment as a member of the
Benares Hindu University. Your name has been duly
enrolled as.....

No.

BENARES

192 . } Registrar,
Benares Hindu University.

BENARES HINDU UNIVERSITY.

REGISTER OF ENROLMENT.

1	2	3	4	5	6	7	8	9
No.	Date of enrolment.	Name.	Age at Admission or Equivalent Examination.	Father's name.	University Examination, with the name of the University or School Leaving Examination, with the name of the authority conducting the Examination; passed or failed.	College to which admitted.	Date of admission, re-admission, and leaving.	Remarks.

FORMS OF ENROLMENT.

1057

Book No.

Benares Hindu University.

—:0:—

FORM OF CERTIFIED COPY OF REGISTER
OF STUDENTS.

1	2	3	4	5	6	7	8	9
Number.		Date of enrolment.		Name.	Age at Admission.	Father's Name.	University examinations passed or failed.	Roll No.

BENARES,

Registrar, Benares Hindu University.

The.....192.

Book No.

BENARES HINDU UNIVERSITY.

—:0:—

FORM OF CERTIFIED COPY OF REGISTER OF
STUDENTS.

1	2	3	4	5	6	7	8	9
Number.		Date of enrolment.		me.	Age at Admission.	Father's Name.	University examinations passed or failed.	Roll No.

BENARES,

Registrar, Benares Hindu University.

The.....192.

काशी हिन्दू विश्वविद्यालय ।

काशी हिन्दू विश्वविद्यालय के छात्रों की श्रेणी में नाम लिखाने के लिए
प्रार्थना-पत्र का फार्म ।

सेवा में,

श्रीयुक्त रजिस्ट्रार महोदय,

काशी हिन्दू विश्व विद्यालय

महोदय,

सेवा में निवेदन है कि मेरा नाम काशी हिन्दू विश्वविद्यालय के छात्रों की श्रेणी में लिख लेने की कृपा की जावे । निम्नलिखित विवरण तथा दो रुपया शुल्क सेवा में प्रेषित है ।

१. उपनाम सहित नाम _____ पता _____

२. जन्म की तारीख _____

३. प्रवेशिका तथा उसके बराबर मानी हुई परीक्षा देनेके समय अवस्था और इसके अभाव में मध्यमा तथा इसके बराबर मानी हुई परीक्षा देने के समय अवस्था _____

उपनाम सहित पिता का नाम _____

परीक्षाएँ जो पास की हों:—

(१) काशी हिन्दू विश्वविद्यालय की प्रवेशिका परीक्षा तथा उसके बराबर मानी हुई की परीक्षा * से सन् में पास की ।

(२) काशी हिन्दू विश्वविद्यालय की मध्यमा तथा इसके बराबर मानी हुई _____ की _____ परीक्षा

* से सन् में पास की ।

प्रवेशिका अथवा उसके बराबर मानी हुई परीक्षा पास करने के अनन्तर जिन कालिजों में विद्यार्थी ने अध्ययन किया हो उनका नाम और पूरा पता प्रत्येक में भरती होने और छोड़ने की तारीख सहित _____

काशी हिन्दू विश्वविद्यालय के प्राच्यविद्या विभाग कालिज में भरती होने की तारीख _____

* इस स्थान में उस पाठशाळा, कालिज आदि का पूरा पता लिखना चाहिए जहां से छात्र ने उक्त परीक्षा पास की है ।

नोट:—१ निम्नलिखित परीक्षाएँ इस विश्वविद्यालय की प्रवेशिका परीक्षा बराबर मानकी गयी हैं.

भवदीय,

(६०) विद्यार्थी-

-श्रेणी-

उपरोक्त विद्यार्थी का

-कालिज

प्रार्थना-पत्र

मुद्रक सहित

सेवा में प्रेषित है।

प्रिंसिपल

प्राच्यविद्याधर्मविज्ञान विभाग कालिज,

(क) संस्कृत कालिज की प्रथमा परीक्षा।

(ख) पंजाब विश्वविद्यालय की प्राज्ञ प्ररीक्षा

(ग) मद्रास विश्वविद्यालय की शिरोमणि नामक प्राच्योपाधि में प्रवेश करने योग्य बनाने वाली मद्रास शिक्षा विभाग की प्रवेश परीक्षा।

(घ) रणवीर संस्कृत पाठशाला काशी की प्रैवार्षिक परीक्षा

(ङ) बिहार और उड़ीसा की सरकार द्वारा ली जाने वाली संस्कृत की द्वितीय (मध्यमा) परीक्षा

(च) इस विश्वविद्यालय के साहित्य व विज्ञान विभाग की एडमिशन परीक्षा

(छ) सरकारी विधान के अनुसार स्थापित किसी भारतीय विश्वविद्यालय की मेट्रिक्यूलेशन परीक्षा

(ज) किसी ब्रिटिश प्रदेश की स्कूललीविङ्ग सर्टिफिकेट परीक्षा

(झ) सीनियर आक्सफोर्ड लोकल परीक्षा

(ञ) सीनियर केम्ब्रिज लोकल परीक्षा

(ट) यूरोपियन स्कूलों के लिए नियत फाइनल परीक्षा

(ठ) किसी चौफ्स कालिज की डिप्लोमा परीक्षा

नोट—च, छ, ज, झ, ञ, ट, ठ, निर्दिष्ट परीक्षाओं के परीक्ष्य विषयों में छात्रों को संस्कृत अन्यतम विषय लेना होगा। परन्तु जिन्होंने संस्कृत नहीं भी लिखा है भी यदि परीक्षा देकर सिडिकेटका इस बात का सन्तोष कर सकेंगे कि उनकी संस्कृत की योग्यता पर्याप्त है तो उनको भी प्रवेश करने की आज्ञा दी जा सकेगी।

नोट २—बनारस संस्कृत कालिज की मध्यमा परीक्षा, मद्रास विश्वविद्यालय की शिरोमणि नामक प्राच्योपाधि के लिए तैयार करनेवाली प्रारम्भिक परीक्षा संस्कृत पाठशाला काशी की शास्त्री परीक्षा, पंजाब विश्वविद्यालय की विशारद परीक्षा, बिहार उड़ीसा की सरकार द्वारा ली जाने वाली उपाध्याय परीक्षा, ये परीक्षाएँ इस विश्वविद्यालय की मध्यमा परीक्षा के बराबर मान ली गई हैं।

पुस्तक-संख्या.....

नकल

काशी हिन्दू विश्वविद्यालय ।

विश्वविद्यालय के छात्रों की श्रेणी में नाम लिखाने के शुल्क की प्राप्ति की रसीद ।

काशी हिन्दू विश्वविद्यालय के छात्रों की श्रेणी में नाम लिखाने के शुल्क के रूप में दो रुपये प्राप्त हुए । आपका नाम नियमानुसार छात्रों की श्रेणी में दर्ज कर लिया गया ।

संख्या.....

नाम.....

रजिस्ट्रार

काशी

काशी हिन्दू विश्वविद्यालय ।

ता०.....१६

पुस्तक-संख्या.....

असल

काशी हिन्दू विश्वविद्यालय ।

विश्वविद्यालय के छात्रों की श्रेणी में नाम लिखाने के शुल्क की प्राप्ति की रसीद ।

काशी हिन्दू विश्वविद्यालय के छात्रों की श्रेणी में नाम लिखाने के शुल्क के रूप में दो रुपये प्राप्त हुए । आपका नाम नियमानुसार छात्रों की श्रेणी में दर्ज कर लिया गया ।

संख्या.....

नाम.....

रजिस्ट्रार

काशी

काशी हिन्दू विश्वविद्यालय

ता०.....१६

रा. सा.

हिन्दू विश्वविद्यालय का नि

१	संख्या	२	छात्र श्रेणी में नाम दर्ज होने की तारीख	३	विद्यार्थी का नाम	४	वर्ग की तारीख	५	प्रवेशिका अथवा उसके बराबर माने हुये परीक्षा के समय विद्यार्थी की अवस्था। इसके अभाव में प्रत्युक्त अथवा उसके बराबर माने हुये परीक्षा के समया विद्यार्थी की अवस्था	६	पिता का नाम	७	किसी विश्वविद्यालय अथवा अन्य संस्था की उन परीक्षाओं का नाम और सन् जिनमें विद्यार्थी उत्तीर्ण हुआ, विश्वविद्यालय अथवा अन्य परीक्षा लेनेवाली संस्था के नाम सहित	८	उस कालिज और श्रेणी का नाम जिसमें विद्यार्थी प्रवेशी हुआ है	९	प्रथम बार अथवा पुनर्वा प्रवेश करने की अवस्था होने की तारीख	१०	विषय
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कालेज का नाम

काशी हिन्दू विश्व विद्यालय ।

विश्वविद्यालय के छात्रों की श्रेणी में नाम

लिखानेवाले विद्यार्थियों की नामावली तथा विवरण सन् श्रेणी

प्रवेश संख्या		प्रथम बार का लिख में भरती होने की तारीख		विद्यार्थी का नाम	पिता का नाम
जनम की तारीख					
<p>प्रवेशिका अथवा उसके बराबर मानी हुई परीक्षा करने के समय विद्यार्थी की अवस्था</p> <p>अथवा मध्यमा तथा उसके बराबर मानी हुई परीक्षा करने के समय विद्यार्थी की अवस्था</p> <p>पास करने के समय विद्यार्थी की अवस्था</p>					
परीक्षा का नाम		क्रम संख्या		परीक्षा का नाम	
प्रवेशिका अथवा उसके बराबर मानी हुई परीक्षा		क्रम संख्या		परीक्षा का नाम	
परीक्षाएं जो पास की हों		क्रम संख्या		वर्ष	
प्रवेशिका अथवा उसके बराबर मानी हुई परीक्षा		क्रम संख्या		वर्ष	
मध्यमा अथवा उसके बराबर मानी हुई परीक्षा		क्रम संख्या		वर्ष	
उन कालिजों वा पाठशा- लियों का नाम जिनमें विद्यार्थी ने निम्नलिखित परीक्षाओं के लिये अध्ययन किया है		<p>प्रवेशिका अथवा प्रवेशिका के बराबर मानी हुई परीक्षा के लिये</p> <p>मध्यमा अथवा मध्यमा के लिये</p> <p>उत्तर मानी हुई परीक्षा के लिये</p>			
विश्वविद्यालय की छात्रवृत्ति, पदक पाठशाला वगैरह		विद्यार्थी की निम्नलिखित			
विवरण					

(D) Forms of Certificates and Diplomas.**(i) Certificates.**

No.....
BENARES HINDU UNIVERSITY.

(Seal.)

ADMISSION EXAMINATION, 19 .

Roll No.

This is to certify that.....
of.....School.....
aged.....years and.....months, on the first day of
January 192 passed the Admission Examination held in the
month of.....19 , and was placed in the
.....Class.

The subjects in which he was examined, were English,
Mathematics, History and Geography.....
.....and.....

He has obtained distinction in.

BENARES HINDU UNIVERSITY: }
The.....19.. }

Registrar.

No.

BENARES HINDU UNIVERSITY.

(Seal.)

INTERMEDIATE EXAMINATION, 19 .

Roll No..... Enrolment No.....

I certify that.....of
.....College....., passed the Intermediate
Examination, held in the month of.....19....., and
was placed in the.....Class.

The subjects in which he was examined were English, Modern Indian language (.....) Logic—Deductive and Inductive, Classical Language (.....) History (.....) Elementary Economics, Civics or Mathematics, Biology, Physics and Chemistry.

He has obtained distinction in.

Benares Hindu University : }
The.....19..... }

Registrar.

BENARES HINDU UNIVERSITY.

(SEAL)

INTERMEDIATE EXAMINATION (ENGINEERING).

PART I.

Roll No.....

Enrolment No.....

This is to certify that.....

son of.....of the Engineering College
aged.....years.....months, passed the Intermediate
Examination (Engineering) Part I held in the month of
.....192 .. and was placed in the.....Class.

The subjects in which he was examined were;

- 1 Mathematics.
- 2 Engineering Physics.
- 3 Engineering Chemistry.
- 4 Building & Surveying.
- 5 Engineering & Metallurgy.
6. Mechanical Drawing.

Benares Hindu University,

The.....192 ..

Registrar

No..

BENARES HINDU UNIVERSITY.

(SEAL)

INTERMEDIATE EXAMINATION (ENGINEERING).

PART II.

Roll No.....

Enrolment No.....

This is to certify that.....
 son of.....of the Engineering College
 aged.....years.....months, passed the Intermediate
 Examination (Engineering) Part II held in the month of
192 . and was placed in the.....Class.

The subjects in which he was examined were:—

- 1 Mathematics.
- 2 Heat Engines.
- 3 Applied Mechanics.
- 4 Practical Geometry.
- 5 Electrical Engineering.
- 6 Mechanical Drawing.

Sessional marks for the first two years.

Workshops.....per cent.

Drawing Office.....per cent.

Engineering Laboratory.....per cent.

Benares Hindu University,

The.

.192 .

Registrar

No.

BENARES HINDU UNIVERSITY.

(SEAL)

BACHELOR OF SCIENCE EXAMINATION (ENGINEERING)

PART I.

Roll No.....

Enrolment No.....

This is to certify that.....
 son of.....of the Engineering College
 aged.....years.....months, passed the Bachelor of
 Science Examination (Engineering) Part I held in the month
 of.....192 . and was placed in the.....Class

The subjects in which he was examined were:—

- 1 Strength of Materials.
- 2 Theory of Structures
- 3 Theory of Machines.
- 4 Hydraulics.
- 5 Heat Engines.
- 6 Electrical Engineering.
- 7 Mechanical Drawing.

Benares Hindu University,

The... ..192 .

Registrar.

BENARES HINDU UNIVERSITY,

(SEAL).

BACHELOR OF SCIENCE (ENGINEERING) PART II.

(ELECTRICAL BRANCH)

This is to certify that.....
 obtained the degree of Bachelor of Science in Engineering in
 this University in the Examination of 192 , and that he was
 placed in the.....Class.

The subjects in which he was examined were:—

- | | |
|--------------------------------------|---|
| (1) Strength of Materials. | (6) Hydro-Electric Power Development. |
| (2) Electrical Testing of materials. | (7) Theory of Machines for Electrical Engineering Students. |
| (3) Theory of Structures. | (8) Design of Electrical Machines. |
| (4) Structural Design. | (9) Heat Engines. |
| (5) Hydraulics. | (10) Electrical Engineering. |
| (11) Economics of Engineering. | |

Benares Hindu University,

The.....192

Registrar.

No.

BENARES HINDU UNIVERSITY.

(SEAL).

BACHELOR OF SCIENCE (ENGINEERING) PART II
(MECHANICAL BRANCH).

This is to certify that.....
obtained the degree of Bachelor of Science in Engineering in
this University in the examination of 192, and that he was
placed in the.....Class.

The subjects in which he was examined were:—

- | | |
|------------------------------|-------------------------------------|
| (1) Strength of Materials. | (6) Theory of Machines. |
| (2) Theory of Structures. | (7) Machine Design. |
| (3) Structural Design. | (8) ..Heat Engines. |
| (4) Hydraulics. | (9) Mechanical Drawing. |
| (5) Hydraulic Machines. | (10) Economics of Engineer-
ing. |
| (11) Electrical Engineering. | |

Benares Hindu University,

The.....19

Registrar.

BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION IN MINING & METALLURGY,
PART I—192 .

Roll No..

Enrolment No..

This is to certify that.....
son of.....passed the
Intermediate Examination in Mining and Metallurgy—Part I,
held in the month of.....192 , and
was placed in the.....class.

The subjects of the examination were:—

- (1) Mathematics.
- (2) Applied Mechanics.
- (3) Heat Engines.
- (4) Practical Solid Geometry.
- (5) Engineering Drawing.
- (6) Applied Electricity.
- (7) Metallurgy.

Benares Hindu University,

The.....192 .

Registrar.

BENARES HINDU UNIVERSITY.

INTERMEDIATE EXAMINATION IN MINING & METALLURGY.

PART II—192

Roll No.....

Enrolment No.....

This is to certify that.....
 son of.....passed the
 Intermediate Examination in Mining & Metallurgy—Part II,
 held in the month of192 and was
 placed in the.....class.

The subjects of the examination were:—

- (1) Geology and Mineralogy.
- (2) Physical Chemistry.
- (3) Assaying.

Benares Hindu University,

The.....192 .

Registrar.

BENARES HINDU UNIVERSITY.

(Seal.)

BACHELOR OF SCIENCE EXAMINATION IN MINING AND
METALLURGY, PART I—192 .*Roll No.*.....*Enrolment No.*

This is to certify that.....
 son of.....passed the
 Bachelor of Science Examination in Mining and Metallurgy—
 Part I, held in the month of.....192 and
 was placed in the.....class.

The subjects of the Examination were:—

- (1) Mining.
- (2) Surveying.
- (3) Electrical Technology.
- (4) Power Generation and Transmission by non-electrical methods.

Benares Hindu University
 The.....192 . }

Registrar.

No.

BENARES HINDU UNIVERSITY.

(Seal.)

The Previous Examination for the Degree of LL.B. 192 ,

Roll No......*Enrolment No.*.....

This is to certify that.....
 son of.....passed the Previous
 Examination for the Degree of LL.B. held in the month
 of.....192 , and was placed in the.....
 class.

Benares Hindu University,

The.....192 . }*Registrar.*

No.

BENARES HINDU UNIVERSITY.

(Seal.)

PREVIOUS EXAMINATION IN SAMSKRIT, 19

Roll No.....

This is to certify that.....

son of.....of.

College....., aged.....years and.....
months, passed the Previous Examination in Samskrit held
on.....19

Benares Hindu University,

The.....192

Registrar.

No.

BENARES HINDU UNIVERSITY.

(Seal.)

PRAVESIKA EXAMINATION.

Roll No.

वर्षीय

.....शततमे वैक्रमाब्दे काशी-हिन्दु-विश्वविद्यालय सम्बन्धि
प्राज्ञ्यविद्या

धर्मविज्ञान विभागीय प्रवेशिकापरीक्षायां.....

.....कक्षायासुत्तीर्ण इति प्रमाणीकरोति

ता:.....१९

Registrar.

No

काशी हिन्दू विश्वविद्यालय ।

(Seal)

मध्यमापरीक्षा संवत्—

क्रमसंख्या.....

श्री

श्रीमत्:.....स्यपुत्रः

.....निवासी

वर्षीयः.....शततमे वैक्रमान्वदे

काशी हिन्दू विश्वविद्यालय सम्बन्धि प्राच्यविद्या विभागीय
धर्मविज्ञान

मध्यमा परीक्षायां.....कक्षाया मुत्तीर्णं

इति प्रमाणी करोति

विषया:.....

.....वैकल्पिका:.....

तिथि:.....

रजिस्ट्रार

(ii) Diplomas.

(1) BENARES HINDU UNIVERSITY.

(Seal.)

BACHELOR OF ARTS.

This is to certify that.....
 obtained the Degree of Bachelor of Arts in this University
 in the Examination of 19.....and that he
 was placed in the.....Class.

The subjects in which he was examined were English Literature,.....
and.....

Benares Hindu University, }
The.....192 . } *Vice-Chancellor.*

BENARES HINDU UNIVERSITY.

(Seal.)

BACHELOR OF SCIENCE.

This is to certify that.....
obtained the Degree of Bachelor of Science in this University in the Examination of 19 , and that he was placed in the.....Class.

The subjects in which he was examined were Chemistry,
.....and.....
He has also passed an examination in English obtaining
.....per cent of the total number of marks.

Benares Hindu University, }
The.....192 . } *Vice-Chancellor.*

BENARES HINDU UNIVERSITY.

(Seal)

MASTER OF ARTS.

This is to certify that.....
obtained the Degree of Master of Arts in this University

in the Examination of 19 , in.....and that he was placed in the.....Class.

Benares Hindu University, }
The.....19 . } *Vice-Chancellor.*

BENARES HINDU UNIVERSITY.

(Seal.)

MASTER OF SCIENCE.

This is to certify that.....
obtained the Degree of Master of Science in this University
in the Examination of 19 , in.....and that he was
placed in the.....Class.

Benares Hindu University, }
The.....19 . } *Vice-Chancellor.*

BENARES HINDU UNIVERSITY.

(Seal.)

LICENTIATE OF TEACHING.

This is to certify that.....
obtained the Degree of Licentiate of Teaching in this Uni-
versity in the Examination of 19 , and that he was placed
in the.....Class in Theory and
in the.....Class in Practice.

Benares Hindu University, }
The.....19 . } *Vice-Chancellor.*

काशी हिन्दू विश्वविद्यालय ।

(मुद्रा विश्वविद्यालयस्य)

शास्त्री, स्मृतिरत्न परीक्षा संवत्
धर्मशास्त्री

क्रमसंख्या

श्री

श्रीमत्:स्य पुत्रः

.....निवासी

वर्षीयःशततमे वैक्रमाब्दे

काशी हिन्दू विश्वविद्यालय सम्बन्धि प्राच्यविद्या विभागीय
धर्मविज्ञान

स्मृतिरत्न, शास्त्री परीक्षाया कक्षायामुत्तीर्ण
धर्मशास्त्री

इति प्रमाणीकरोति ।

विषयः

.....वैकल्पिका:.....

तिथिः

वाइस चान्सेलर

काशी हिन्दू विश्वविद्यालय ।

(मुद्रा विश्वविद्यालयस्य)

शास्त्राचार्य परीक्षा

संवत्

क्रमसंख्या.....

श्री.....

श्रीमत्तः.....पुत्रः

.....निवासी

.....वर्षीयः.....शततमे वैक्रमाब्दे

काशी हिन्दू विश्वविद्यालये शास्त्राचार्य परीक्षायाः.....

कक्षायामुत्तीर्णं इति प्रमाणीकरोति

विषयः.....

तिथिः.....

वाइस-चान्सलर ।

BENARES HINDU UNIVERSITY.

(Seal)

BACHELOR OF SCIENCE (ENGINEERING)

This is to certify that.....
 obtained the degree of Bachelor of Science (Engineering)
Branch, in the University in the Examination
 of 192 ., and that he was placed in the.....class.

Benares Hindu University }
 The.....192 . }

Vice-Chancellor.

BENARES HINDU UNIVERSITY.

(Seal)

BACHELOR OF SCIENCE.

MINING.

This is to certify that.....obtained the Degree of Bachelor of Science in Mining in this University in the Examination of 19.....and that he was placed in the.....class.

The subjects of the Bachelor of Science Examination in Mining and Metallurgy Part I were:—

- (1) Mining (2) Surveying (3) Electrical Technology and (4) Power Generation and Transmission by Non-electrical methods.

The subjects of the Bachelor of Science Examination in Mining Part II were.

- (1) Advanced Mining (2) Mining Plant and Machinery (3) Mining Geology (4) Mine Sampling and Valuation and (5) Economics of Mining.

Benares Hindu University
The.192 . } *Vice-Chancellor.*

BENARES HINDU UNIVERSITY.

Seal.

BACHELOR OF SCIENCE.

METALLURGY.

This is to certify that.....obtained the Degree of Bachelor of Science in Metallurgy in this University in the Examination of.....and that he was placed in the.....class.

The subjects of the Bachelor of Science Examination in Mining and Metallurgy Part I were:—

(1) Mining (2) Surveying (3) Electrical Technology and (4) Power Generation and Transmission by Non-electrical methods.

The subjects of the Bachelor of Science Examination in Metallurgy Part II were:—

(1) Advanced Metallurgy (2) Advanced Assaying (3) Fuels and Refractory Materials (4) Metallography and Pyrometry and (5) Mechanical Testing and Heat Treatment of Metals and Alloys.

Benares Hindu University. }
The.....192 }

Vice-Chancellor.

BENARES HINDU UNIVERSITY.

(Seal.)

BACHELOR OF LAWS.

This is to certify that.....
 obtained the Degree of Bachelor of Laws in this University in
 the Examination of 192 , and that he was placed in the.....
Class.

BENARES HINDU UNIVERSITY

The.....192

}

Vice-Chancellor.

BENARES HINDU UNIVERSITY.

(University Seal)

DOCTOR OF LETTERS.

The Senate of the Benares Hindu University hereby confers the Honorary Degree of Doctor of Letters on.....;in recognition of his eminent position and attainments.

The Benares Hindu University, }
 The.....192 . }

Vice Chancellor.

BENARES HINDU UNIVERSITY.

(University Seal)

DOCTOR OF LAWS.

The Senate of the Benares Hindu University hereby confers the Honorary Degree of Doctor of Laws on.....
in recognition of his eminent position and attainments.

The Benares Hindu University, }
The.....192 }

Vice-Chancellor.

(E) Forms of Agreement for Service.**FORM A.***

MEMORANDUM OF AGREEMENT made the.....
 day of.....
 one thousand nine hundred and.....
 BETWEEN.....
 of the first part and the BENARES HINDU UNIVERSITY
 being a body corporate constituted under Act No. XVI of 1915
 of the Governor-General of India in Council, hereinafter
 called "the University" of the second part.....
 IT IS HERBY AGREED AS FOLLOWS:—

(1) THAT the University hereby appoints

 to be a.....
 in the BENARES HINDU UNIVERSITY for a term of....
 years with effect from the date the said.....
 takes charge of the duties of his office (the first year of service being a period of probation); the said.....
 having understood the objects of the Benares Hindu University and being willing to co-operate so far as lies in his power to promote those objects, hereby accepts the engagement and undertakes to take such part and perform such duties in the University as may be required by and in accordance with the Act, Statutes and Regulations for the time being in force of the said University whether the same relate to the organisation or instruction or the teaching or the examination of students or their discipline or welfare in connection with any college or colleges of the said University and generally to act
 under the direction of the Council, the Senate and the Syndicate of the said University and under the immediate orders of the Vice-Chancellor and the Principal for the time being of the college to which his services may for the time being be attached.

*To be used in cases where the appointment is for a definite period on a graded salary.

2. THAT the said.

shall be a whole time officer of the University and shall not without the special sanction of the Council of the said University, previously obtained, accept any engagement or office to which any emolument or honorarium is attached or which is likely to interfere with the due performance of his duties or to impair his usefulness as an employee of the said University of which the Council of the said University, shall be the sole arbiter.

3. THAT the said University shall pay the said.....

during the continuance of his engagement hereunder as remuneration for his services a salary commencing with Rs..... per mensem and rising on confirmation by annual increments of Rs.....to a maximum salary of Rs..... per mensem such salary to be paid as far as possible in the first week of the succeeding month provided always that the annual increment or increments aforesaid shall depend on the work of the said..... being found satisfactory.

4. THAT the said.

agrees to be bound by all the rules and regulations from time to time in force in the said University and in particular by those relating to salaries, leave, travelling allowance and provident fund.

5. THAT unless the said.

receives from the University or an authorized officer of the University three calendar months' notice in writing to the effect that on the expiry of the said term of..... years the University will not require the services of the said.....

or unless the said.....

 will give three calender months' notice in writing before the
 expiration of the said term of.....years that he
 desires to put an end to the engagement under these presents,
 the said.....

 shall continue to be in the service of the University upon
 such terms and conditions (save as regards the period of ne-
 gagement) as are contained herein so far as they may be app-
 licable to any engagement without any definite period, and in
 the case of the promotion of the said.....

 to higher grade of pay in the service of the University, service
 in such grade shall, so far as may be, be subject to like terms
 and conditions.

6. THAT the University may at any time during the
 said term of.....years or if service shall continue
 beyond the said term, at any time thereafter, dispense with
 the services of the said.....

 without notice in the event the Council of the said University
 after giving an opportunity to the said.....
 of stating his defence, is of opinion that it is necessary to
 remove the said.....
 for misconduct or habitual neglect of duty on the part of the
 said.....
 or in case any of the conditions herein specified have been
 broken by the said.....

7. THAT it shall be lawful for the Council of the Uni-
 versity prior to the expiration of the service of the said

 under these presents, if satisfied on a report of a Medical
 Board of three competent men appointed by the said Council
 that the said.....

is unfit and is likely for a considerable period to continue unfit, by reasons of ill-health, for the discharge of his duties in the University, the decision of the Council of the Benares Hindu University being conclusive, to determine the service under these presents and in that event the University shall pay to him a sum equivalent to one month's salary in addition to any sum due to him by way of arrears of salary.

8. THAT if the said.....
.....
continues to be in the service of the University after the aforesaid period of.....years, then either of the party may put an end to the engagement hereby made by giving to the other of them three calendar months' notice ending with the 30th of April.

9. THAT it shall be sufficient service of any notice given by the said.....
.....
if it be addressed to the Vice-Chancellor of the University and delivered at or sent by registered post to his address at Benares and it shall be sufficient notice by the University if it be signed by the Vice-Chancellor of the University and is addressed to the said.....
.....
and delivered at or sent by registered post to his official address in the University at Benares.

10. THAT on the termination of this agreement from whatever cause, the said.....
shall deliver up to the University all books, apparatus, records and other articles belonging to the University that may be in his possession.

IN WITNESS WHEREOF the parties hereto have set their hands & seals the day and year first above mentioned

Signature.....
Signed by the said.....

In the presence of—

1.

2.

Signature.....

Seal of the University.

In the presence of—

1.

2.

FORM B.*

MEMORANDUM OF AGREEMENT made the.
day of.

.one thousand nine hundred and.

BETWEEN.

.....
of the first part and the BENARES HINDU UNIVERSITY
being a body corporate constituted under Act No. XVI of
1915 of the Governor-General of India in Council hereinafter
called "the University" of the second part:

IT IS HEREBY AGREED AS FOLLOWS:—

1. THAT the University hereby appoints.....
.....
to be a.....
in the BENARES HINDU UNIVERSITY for a term of
.....years with effect from the date the
said.....
takes charge of the duties of his office, the said.....
.....having understood the objects of the
Benares Hindu University and being willing to co-operate so
far as lies in his power to promote those objects, hereby
accepts the engagement and undertakes to take such part and

* To be used in cases where the loan of service has been obtained from
Government or any Indian State.

perform such duties in the University as may be required by and in accordance with the Act, Statutes and Regulations for the time being in force of the said University whether the same relate to the organisation of instruction or the teaching or the examination of students or their discipline or welfare in connection with any college or colleges of the said University and generally to act under the direction of the Council, the Senate and the Syndicate of the said University and under the immediate orders of the Vice-Chancellor and the Principal for the time being of the college to which his services may for the time being be attached.

2. THAT the said.

shall be a whole time officer of the University and shall not without the special sanction of the Council of the said University, previously obtained, accept any engagement or office to which any emolument or honorarium is attached or which is likely to interfere with the due performance of his duties or to impair his usefulness as an employee of the said University of which the Council of the said University shall be the sole arbiter.

3. THAT the said University shall pay the said.....

 during the continuance of his engagement, hereunder as remuneration for his service a consolidated salary of Rupees

 per mensem including leave and pension allowance payable at the end of every month to the Government or the State from whom the services of the said.....

 have been taken on loan by the University, such salary to be paid as far as possible in the first week of succeeding month.

4. THAT the said.....

 agrees to be bound by all the rules and regulations from time to time in force in the said University and in particular those relating to leave, salaries and travelling allowance.

5. THAT the said University shall on the said.

taking charge of the duties of his post at Benares, pay to the said.....

.....one first class single railway fare from the place of his destination to Benares.

6. That if the said.....

.....shall during the said term of.....years resign the service of the University whether after having given notice or otherwise he shall forthwith on demand pay to the University the cost of one first class single railway fare from the place of his destination aforesaid to Benares and similarly if the University should dispense with the service of the said.....

.....before the expiry of the.....years aforesaid, without any of the causes mentioned in clauses 7 and 8 of these presents the said University shall pay to the said.....

.....the cost of one first class single railway fare from Benares to his place of destination aforesaid independently of any compensation to which either party may be entitled from the other for terminating the agreement during the period of the covenant.

7. THAT the Council of the University may at any time during the said term of.....years or if service shall continue beyond the said term, at any time thereafter, dispense with the services of the said.....

.....without notice in the event the Council of the said University after giving an opportunity to the said.....of stating his defence, is of opinion that it is necessary to remove the said.....

for misconduct or habitual neglect of duty on the part of the said.....

or in case any of the conditions herein specified have been broken by the said.....

8 THAT it shall be lawful for the Council of the University prior to the expiration of the service of.....

under these presents, if satisfied on a report of a Medical Board of three competent men appointed by the University, that the said.....

..... is unfit and is likely for a considerable period to continue unfit, by reason of ill-health, for the discharge of his duties in the University (the decision of the Council of the Benares Hindu University being conclusive) to determine the service under these presents and thereupon his services shall be terminated, and in that event the University shall pay to him a sum equivalent to one month's salary in addition to any sum due to him by way of arrears of salary.

9. THAT if the period for which the loan of the service of the said..... be extended beyond the aforesaid period of.....years, then the provisions herein contained shall, as far as may be, be applicable to such extended period or periods.....

10. THAT it shall be sufficient service of any notice given by the said.....

..... if it be addressed to the Vice-Chancellor of the University and delivered at or sent by registered post to his address at Benares and it shall be sufficient notice by the University if it be signed by the Vice-Chancellor of the University and is addressed to the said.....

..... and delivered at or sent by registered post to his official address in the University at Benares.

11. That on the termination of this agreement from whatever cause, the said.....
shall deliver up to the University all books, apparatus, records, and other articles belonging to the University that may be in his possession.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above mentioned.

Signature.....

Signed by the said.....

In the presence of—

(1)

(2)

Signature on behalf of the University.....

Seal of the University.

In the presence of—

(1)

(2)

FORM C.*

MEMORANDUM OF AGREEMENT made the.....
 day of.....
 one thousand nine hundred and.....
 BETWEEN.....

of the first part and the BENARES HINDU UNIVERSITY being a body corporate constituted under Act No. XVI of 1915 of the Governor-General of India in Council, hereinafter called "the University" of the second part.

IT IS HEREBY AGREED AS FOLLOWS:—

(1) THAT the University hereby appoints.....

to be a.....
 in the BENARES HINDU UNIVERSITY with effect from the date the said.....takes charge of the

To be used in cases where the appointment is for no definite period

duties of his office (the first year of service being a period of probation); and saidhaving understood the objects of the Benares Hindu University and being willing to co-operate so far as lies in his power to promote those objects, hereby accepts the engagement and undertakes to take such part and perform such duties in the University as may be required by and in accordance with the Act, Statutes and Regulations for the time being in force of the said University whether the same relate to the organisation of instruction or the teaching or the examination of students or their discipline or welfare in connection with any college or colleges of the said University and generally to act under the direction of the Council, the Senate and the Syndicate of the said University and under the immediate orders of the Vice-Chancellor and the Principal for the time being of the college to which his services may for the time being be attached.

2. THAT the said.

shall be a whole time officer of the University and shall not without the special sanction of the Council of the said University, previously obtained, accept any engagement or office to which any emolument or honorarium is attached or which is likely to interfere with the due performance of his duties or to impair his usefulness as an employee of the said University of which the Council of the said University, shall be the sole arbiter.

3. THAT the said University shall pay the said.

during the continuance of his engagement hereunder as remuneration for his services a salary commencing with Rs.... per mensem and rising on confirmation by annual increments of Rs.....to a maximum salary of Rs..... per mensem, such salary to be paid as far as possible in the first week of the succeeding month, provided always that the annual increment or increments aforesaid shall depend on the

work of the said.....
being found satisfactory.

4. THAT the said.....
.....
agrees to be bound by the rules and regulations from time to time in force in the said University and in particular by those relating to leave, salaries, travelling allowance and provident fund.

5. THAT the University may at any time during the continuance of the engagement hereunder dispense with the services of the said.....
.....
without notice in the event the Council of the said UNIVERSITY after giving an opportunity to the said.....
of stating his defence, is of opinion that it is necessary to remove the said.....
for misconduct or habitual neglect of duty on the part of the said.....
or in case any of the conditions herein specified have been broken by the said.....

6. THAT it shall be lawful for the Council of the University during the continuance of the service of the said.....
.....
under these presents, if satisfied, on a report of a Medical Board of three competent men appointed by the said Council that the said.....
.....
is unfit and is likely for a considerable period to continue unfit, by reason of ill-health, for the discharge of his duties in the University, the decision of the Council of the Benares Hindu University being conclusive, to determine the service under these presents and in that event the University shall pay to him a sum equivalent to one month's salary in addition to any sum due to him by way of arrears of salary.

7. THAT either of the party hereto may put an end to the engagement hereby made by giving to the other of them three calendar months' notice ending with the 30th of April.

8. THAT it shall be sufficient service of any notice given by the said.....
if it be addressed to the Vice-Chancellor of the University and delivered at or sent by registered post to his address at Benares, and it shall be sufficient notice by the University if it be signed by the Vice-Chancellor of the University and is addressed to the said.....
.....
and delivered at or sent by registered post to his official address in the University at Benares.

9. THAT on the termination of this agreement from whatever cause the said.....
.....
shall deliver up to the University, all books, apparatus, records and other articles belonging to the University that may be in his possession.

IN WITNESS WHEREOF, the parties hereto have set their hands & seals the day and year first above mentioned.

Signature.....

Signed by the said.....

In the presence of—

1.

2.

Signature on behalf of the University

Seal of the University.

In the presence of—

1.

2.

FORM D.*

MEMORANDUM OF AGREEMENT made the.....
 day of.....
 one thousand nine hundred and.....
 BETWEEN.....

.....
 of the first part and the BENARES HINDU UNIVERSITY,
 being a body corporate constituted under Act No. XVI of
 1915 of the Governor-General of India in Council hereinafter
 called "the University" of the second part:—

IT IS HEREBY AGREED AS FOLLOWS:—

1. THAT the University hereby appoints.....
 to be a.....
 in the BENARES HINDU UNIVERSITY for a term of
years with effect from the date the
 said.....
 reports his arrival in Benares and the said.....
having understood the objects of the
 Benares Hindu University and being willing to co-operate so
 far as lies in his power to promote those objects, hereby
 accepts the engagement and undertakes to take such part
 and perform such duties in the University as may be required
 by and in accordance with the Act, Statutes and Regulations
 for the time being in force, of the said University whether
 the same relate to the organisation of instruction or the
 teaching or the examination of students or their discipline or
 welfare in connection with any college or colleges of the said
 University and generally to act under the direction of the
 Council, the Senate and the Syndicate of the said University
 and under the immediate orders of the Vice-Chancellor and
 the Principal for the time being of the college to which his
 services may for the time being be attached,

*To be used when the employee is a resident of a foreign country and
 has been brought out to India by the University for a definite period.

2. THAT the said.....

shall be a whole time officer of the University and shall not without the special sanction of the Council of the said University previously obtained, accept any engagement or office to which any emolument or honorarium is attached or which is likely to interfere with the due performance of his duties or to impair his usefulness as an employee of the said University of which the Council of the said University shall be the sole arbiter.

3. THAT the said University shall pay the said.....

during the continuance of his engagement hereunder as remuneration for his services a salary commencing with Rs.....per mensem and rising by annual increments of Rs.....to a maximum salary of Rs..... per mensem such salary to be paid as far as possible in the first week of the succeeding month provided always that the annual increment or increments aforesaid shall depend on the work of the said..... being found satisfactory.

4. THAT the said.

agrees to be bound by all the rules and regulations from time to time in force in the said University and in particular by those relating to leave, salaries, travelling allowance and provident fund.

5. THAT the said University shall on the said

.....
taking charge of the duties of his post at Benares, pay to the said.....
.....
one first class single fare from London to Bombay.

6. THAT if the said.....
shall during the
 said term of.....years resign the service of the
 University whether after having given notice or otherwise, he
 shall forthwith on demand pay to the University the cost of
 his passage from London to Bombay and similarly if the
 University should dispense with the service of the said.....

 before the expiry of the.....years aforesaid,
 without any of the causes mentioned in clauses 7 and
 8 of these presents the said University shall pay to the said

 the cost of one first class single fare from Bombay to London
 independently of any compensation to which either party
 may be entitled from the other for terminating the agreement
 during the period of the covenant.

7. THAT unless the said.
 receives from the University or an authorised officer of the
 University three calendar months' notice in writing to the
 effect that on the expiry of the said term of.....
 years the University will not require the services of the said

 or unless the said.....
 will give three calendar months' notice in writing before the
 expiration of the said term of.....years that
 he desires to put an end to the engagement under these
 presents, the said.....

 shall continue to be in the service of the University upon such
 terms and conditions, save, as regards the period of engage-
 ment as are contained herein so far as they may be applicable
 to any engagement without any definite period, and in the
 case of the promotion of the said.....

 to a higher grade of pay in the service of the University,

service in such grade shall so far as may be, be subject to like terms and conditions.

8. THAT the University may at any time during the said term of.....years or if service shall continue beyond the said term, at any time thereafter, dispense with the services of the said.....
.....without notice in the event the Council of the said University after giving an opportunity to the said.....
.....of stating his defence, is of opinion that it is necessary to remove the said.....
.....for misconduct or habitual neglect of duty on the part of the said.....
.....or in case any of the conditions herein specified have been broken by the said.....

9, THAT it shall be lawful for the Council of the University prior to the expiration of the service of the said.....
.....under these presents, if satisfied on a report of a Medical Board of three competent men appointed by the said Council that the said.....
.....is unfit and is likely for a considerable period to continue unfit, by reason of ill-health, for the discharge of his duties in the University, the decision of the Council of the Benares Hindu University being conclusive to determine the service under these presents, and in that event the University shall pay to him a sum equivalent to one month's salary in addition to any sum due to him by way of arrears of salary.

10. THAT if the said.....continues to be in the service of the University after the aforesaid period of.....years; then either of the party may put

an end to the engagement hereby made by giving to the other of them three calendar months' notice ending with the 30th of April.

11. THAT it shall be sufficient service of any notice given by the said.....

 if it be addressed to the Vice-Chancellor of the University and delivered at or sent by registered post to his address at Benares and it shall be a sufficient notice by the University if it be signed by the Vice-Chancellor of the University and is addressed to the said.....
 and delivered at or sent by registered post to his official address in the University at Benares.

12. THAT on the termination of this agreement from whatever cause the said.....
shall deliver up to the University, all books, apparatus, records and other articles belonging to the University that may be in his possession.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first above mentioned.

Signature.....

Signed by the said.....

In the presence of—

(1)

(2)

Signature on behalf of the University.....

Seal of the University.

In the presence of—

(1)

(2)

IX

Recognition of the Benares Hindu University by other Indian and Foreign Universities and by Law Courts.

Recognition by Indian Universities.

THE ALLAHABAD UNIVERSITY.

Extract from the Allahabad University Act of 1921, and the Ordinances of the Allahabad University.

Section 37 (1) of the Allahabad University Act, 1921.

37 (1) Students shall not be eligible for admission to a course of study for a degree unless they have passed the Intermediate Examination of the Board of High School and Intermediate Education of the United Provinces or of an Indian University incorporated by any law for the time being in force or an examination recognized by the University as equivalent thereto and possess such further qualifications (if any) as may be prescribed by the Ordinances.

General ordinances for admission to under-graduate classes.

Students who have passed the Intermediate Examination of the Board of High School and Intermediate Education of the United Provinces or of any University in British India incorporated by any law for the time being in force or any examination recognised by the Academic Council as equivalent thereto, may be admitted to the under-graduate classes of the Teaching University or of the Associated Colleges.

General ordinances for admission to Post Graduate classes.

Any graduate of the University or any other University in British territory recognised by the law of the place, in which it is situated may be admitted to the classes for post-graduate degrees in the University, provided that, only those who have passed the previous examination of this University for a post-graduate degree may be admitted to the final class for that degree.

Degree of Doctor of Letters.

Any Master of Arts of a University established in India by an Act of the Legislature, may at least three years after he has taken the M. A. Degree, be admitted to the examination for the Degree of Doctor of Letters.

Degree of Doctor of Science.

A candidate for the degree of D. Sc. must be either—

- (a) A M. Sc. or M. A. of the Allahabad University of at least three years standing, or
- (b) A M. Sc. or M. A. of at least three years standing of any other Indian University recognised by the Allahabad University who has been resident within the territorial limits of the Allahabad University for the three years immediately preceding his application.

Ordinances regarding the Admission of candidates to B. Com. Examination.

The Examination for the degree of Bachelor of Commerce shall be open to all students who have passed any of the following examinations and who have prosecuted a course of regular study as laid down under these regulations at the University or a College associated with the University for the B. Com. Degree.

- (i) The Intermediate Examination of the Board of High School and Intermediate Education, United

Provinces; or of any University in India established by law.

- * * *
- (iv) The examination for the Degree of Bachelor of Science of any University in India established by law.

- * * *
- (vi) The examination for the Degree of Master of Arts of any University established by law.

Other degrees and examinations of the Benares Hindu University are also recognised by the University of Allahabad as equivalent to its corresponding degrees and examinations.

THE ALIGARH MUSLIM UNIVERSITY.

Extracts from the Prospectus of the Aligarh Muslim University for the year 1925-26.

"The students who have passed the Intermediate Examination of an Indian University incorporated by any law for the time being in force are eligible to join the Junior B. A. Class (old III year class) of the Muslim University."

"A student who has been admitted to the Bachelor's degree in the Muslim University or in any other Indian University incorporated by any law for the time being in force, is eligible to join the class for the Master's degree or LL.B. degree or both."

The Admission and the other Examinations of the Benares Hindu University are also recognised.

THE UNIVERSITY OF BOMBAY.

Copy of letter No 3238 of 1921, dated the 5th July 1921, from the Registrar, University of Bombay to the Registrar, Benares Hindu University.

"In reply to your letter No. 2151 dated the 2nd July 1921, I have the honour to inform you that the Admission, Inter-

mediate Arts, Intermediate Science and B.A. examinations of your University are recognised by this University as equivalent to its corresponding examinations. Your B.Sc. examination is also recognised as entitling a candidate to prosecute his studies for the LL.B. degree of this University."

THE UNIVERSITY OF CALCUTTA.

The examinations and degrees of the Benares Hindu University are recognised by the Calcutta University as equivalent to its corresponding examinations and degrees.

THE UNIVERSITY OF DACCA.

Extracts from Section 34 of Act XVIII of 1920 and Ordinance 3 of Chapter XVI of the University ordinances.

Extract from Section 34 of Act XVIII of 1920.

34 (2) Students shall not be eligible for admission to a course of study for a degree unless they have passed the Intermediate Examination of an Indian University incorporated by any law for the time being in force or an examination recognised in accordance with the provisions of this section as equivalent thereto and possess such further qualifications as may be prescribed by the ordinances.

Ordinance 3 of Chapter XVI.

3. Students shall not be eligible for admission in any academic year to a course for a degree unless they have passed either (1) the Intermediate Examination of the "Board" (2) the Intermediate Examination of an Indian University or (3) an Examination recognised under Section 34 of the Act as equivalent thereto and have attained the age of 17 years on July 1st in such academic year.

THE UNIVERSITY OF DELHI.

*Extracts from the University of Delhi Calendar for
1923-24; 1924-25.*

Section 36 (2) of the Act of Incorporation.

36 (2) Students shall not be eligible for admission to a course of study for a degree unless they have passed the Intermediate Examination of an Indian University incorporated by any law for the time being in force, or an examination recognized in accordance with the provisions of this section as equivalent thereto and possess such further qualification as may be prescribed by the ordinances. Any such qualification may be tested by examination not withstanding any thing contained in subsection (5) of section 7;

Provided that, during a period of five years from the commencement of this Act and such further period as the Governor-General in Council may direct, any student who has passed a Matriculation Examination of any such University, or any examination recognized in accordance with the provisions of this section as equivalent thereto, may be deemed eligible for admission to the University.

2. During a period of five years from the 1st of May 1922, and such further period as the Governor General in Council may direct, any student who has passed a Matriculation Examination of an Indian University, incorporated by any law for the time being in force, or any examination recognized as equivalent thereto and possess such further qualification as may be prescribed by the ordinances shall be eligible for admission to the University. Any such qualification may be tested by examination prescribed by the University.

3. In the following ordinances the term Indian University means an Indian University incorporated by any law for the time being in force.

CHAPTER XVIII

* * * *

(4) The following School Leaving Certificate and other examinations of Universities, Boards or Educational Bodies are recognised as equivalent to the Matriculation Examination of an Indian University, in accordance with the provisions of the Act,

(a) The School leaving Examination conducted by the joint Examination Board of the Bombay Presidency.

* * * *

(b) The Admission Examination of the Benares Hindu University either in the Faculty of Arts or in the Faculty of Science.

* * * *

CHAPTER XXIV—Bachelor of Laws.

58. (1) Every candidate for the Degree of Bachelor of Laws shall satisfy the following conditions:—

(a) He must have passed the examination for the Degree of Bachelor of Arts or Bachelor of Science of any Indian University incorporated by any Law for the time being in force.

* * * *

CHAPTER XXV—Master of Laws.

59. (2) No candidate shall be eligible for obtaining the Degree of Master of Laws unless he has previously obtained a Degree in Law at a recognised University and is of at least 3 years' standing from his graduation in law.

CHAPTER XXVI—Doctor of Laws.

60. (1) No candidate shall be eligible to obtain the Degree of Doctor of Laws unless he has obtained the Degree of LL. M. of a recognized University or an Honours Degree in Law at Oxford or Cambridge University and is of 5 years standing from the date of obtaining such a degree.

THE LUCKNOW UNIVERSITY.

Copy of letter No. 1007/18 of 1921, dated the 5th July, 1921, from the Registrar, Lucknow University, to the Registrar, Benares Hindu University.

‘With reference to your No. 2153, dated the 2nd instant, I have the honour to state that as only students who have passed the Intermediate Examination in any Indian University incorporated by Law for the time being in force, are eligible for admission in this University, the question of the recognition by the Lucknow University of the Admission Examination of the Benares Hindu University does not arise.’

“2. The Intermediate, B.A. and B.Sc. Examinations of the Benares Hindu University are recognised provisionally by the Lucknow University but the question will be definitely settled by ordinances which will be made when the Ex-Council is constituted*.”

THE UNIVERSITY OF MADRAS.

Copy of letter No. 5787 dated the 9th July, 1921, from the Registrar, University of Madras, to the Registrar, Benares Hindu University.

“In reply to your letter No. 2154 of the 2nd instant I have the honour to inform you that the Syndicate of this University has not drawn up a schedule of examinations of other Universities which it will accept as equivalent to the corresponding examinations of this University. Each case is decided on its merits.

“In the case of the examinations of your University, the the Syndicate will be prepared to consider individual applica-

* The Degrees of the Benares Hindu University have been recognised as equivalent to the corresponding degrees of the Lucknow University (Vide Lucknow University Calendar for 1924-25).

tions for the recognition of any of your examinations provided the applications are received with a copy of the syllabus of studies undergone by the students for the examination and with the documents required in para 2 of the enclosed memorandum.

*Copy of para 2 of the Memorandum referred
to in the letter.*

2. (a) Each application for such recognition should be forwarded through the Principal of the college in which the applicant seeks admission and should state.—
 - (1) the place of his residence at the time he appeared for the examination of the other University
 - (2) the reason for his non-appearance at the corresponding examination of this University, and
 - (3) why he now desires to study in a college affiliated to this University.
- (b) It should also be accompanied by
 - 1) a certificate from the Registrar of the University at which he passed the examination for which recognition is sought, stating that there is no objection to the transfer of the applicant to this University and
 - (2) satisfactory evidence of his having passed the examination of the other University.

THE MYSORE UNIVERSITY.

*Copy of letter No. 474 dated the 13th July, 1921,
from the Registrar, Mysore University, to the
Registrar, Benares Hindu University.*

“With reference to your letter No. 2155 dated the 2nd instant, requesting to be informed whether the Admission,

Intermediate, B.A. and B.Sc. examinations of the Benares Hindu University have been recognised by this University as equivalent to its own corresponding examinations, I am directed to state that with the permission of the Vice-Chancellor, a passed Intermediate of your University will be admitted to the Second Year class for the Degree of B.A. or B.Sc.

“The question of the recognition of the other examinations of your University has not arisen yet,

THE NAGPUR UNIVERSITY.

Extracts from the ordinances of the Nagpur University, as published in the University Calendar for the year 1925-26.

CHAPTER VII

Intermediate Examination for the Degrees of B.A. & B.Sc.

* * * * *

3. Subject to their compliance with the requirements of this ordinance, the following persons shall be eligible for admission to the examination :—

(a) a student of a college.

(b) a teacher in an educational institution * * *

* * * * *

4. A student of a college shall—

(a) have prosecuted a regular course of study in one or more colleges under the Act for not less than two academic years after having passed any of the examinations referred† to in section 33 of the Act as a qualifying test for admission to a course of study for a degree.

† The following are the examinations:—

- (1) High School Examination of C.P. and Berar.

* * * * *

- (7) Admission Examination of the Benares Hindu University.

CHAPTER VIII

Examinations for the Degrees of Bachelor of Arts and Bachelor of Science.

* * * * *

3. Subject to their compliance with the requirements of this ordinance, the following persons shall be eligible for admission to the examination :—

- (a) A student of a college.
- (b) A teacher in an educational institution eligible under the provisions of Chapter XVI
- (c) A woman eligible under additional statute No 29 Provided that he or she shall have passed the Intermediate Examinations referred to† in Section 33 of the Act as equivalent thereto.

CHAPTER IX

Degree of Master of Arts.

* * * * *

2. Subject to their compliance with the requirements of this ordinance the following persons shall be eligible for admission to the Previous examination :—

- (a) A student who has passed the examination for the Degree of Bachelor of Arts * * *

* * * * *

Explanation :—(1) The Degree of Bachelor of Arts includes any degree conferred by any other University which is recognised by this University as equivalent ‡ to its own degree.

†The following examinations have been recognised :—

Intermediate examination of the U.P. Board, Allahabad

Intermediate examinations of the following Universities :—

Muslim (Aligarh), Calcutta, Madras, Bombay, Patna, Punjab and Hindu (Benares).

‡The degrees are—B.A. degree of any University incorporated by law in British India.

CHAPTER X.

Degree of Master of Science.

* * * * *

2. Subject to their compliance with the requirements of this ordinance, the following persons shall be eligible for admission to the Previous Examination:—

- (a) A student who has passed the examination for the Degree of Bachelor of Science * * *
- * * * * *

*Explanation:—*The Degree of Bachelor of Science includes any degree conferred by any other University which is recognised † by this University as equivalent to its own degree.

CHAPTER XII

Degree of Bachelor of Laws.

2. Subject to their compliance with the conditions of this ordinance persons shall be eligible for admission to the Previous Examination who—
 - (i) have passed the examination for the Degree of Bachelor of Arts or Bachelor of Science of this University or for the corresponding degree of any other University, recognised by this University as equivalent to its own degree.

† The degrees are—B. Sc. degree of any University incorporated by law in British India.

‡ B.A. & B.Sc. degrees of any University incorporated by law in British India.

CHAPTER XV.

Degree of Licentiate of Teaching.

3. A candidate for the degree of Licentiate of Teaching must possess a degree of the Nagpur University or a degree recognised as equivalent thereto* * * *

THE UNIVERSITY OF THE PUNJAB.

Copy of letter no. 2068 dated 5th July, 1921, from the Joint Registrar, University of the Punjab, to the Registrar, Benares Hindu University.

“ With reference to your letter No. 2152, dated the 2nd July, 1921, I have the honour to inform you that the Admission Examination of your University has been recognised by this University as equivalent to our M. S. L. C. Examination (vide paragraph 24 of the Syndicate proceedings dated the 6th July, 1921, and Senate Proceedings dated the 17th June, 1921).”

“ With regard to the other Examinations, no reference or request has either been received from you or from candidates proceeding to the next higher examinations of this University.”

Copy of Letter No. 1344, dated the 4th March, 1925, from the Joint Registrar, University of the Punjab, Lahore, to the Registrar, Benares Hindu University.

“ I have the honour to inform you that the Syndicate of this University at its meeting held on the 25th February, 1925, has approved of the B. Sc. Degree of your University as equivalent to the B. Sc. Degree of the Punjab University.”

THE PATNA UNIVERSITY.

Copy of Letter No. 3309, dated the 4th July, 1921, from the Registrar, Patna University to the Registrar, Benares Hindu University.

"With reference to your letter No. 2147, dated the 2nd July, 1921, I have the honour to inform you that Patna University does not definitely recognise any examinations as equivalent to its own examinations. Under Regulation 1 para (3) Chapter XX of the Patna University Regulations, the Syndicate have power to admit to the register, as special cases, students who have obtained in other provinces qualifications corresponding to those required by Patna University. Each case is considered on its merits.

"I enclose a form which is to be filled in by a student coming from another University for registration as a student of Patna University. The power to admit such students has been delegated by the Syndicate to the Vice-Chancellor with the proviso that cases which he refuses are to be submitted to the Syndicate."

COPY OF FORM TO BE FILLED IN.

PATNA UNIVERSITY.

*Application from student coming from another
University for Registration as a student
of Patna University*

1. Name of the applicant.	
2. Examinations passed; the years in which and the University from which he passed.	
3. The subjects in which the applicant passed in the various examinations of the Previous University.	

4. The age of the applicant at the time of passing the Matriculation Examination.	
5. The College and the Class under the previous University in which the applicant has been reading immediately before applying for registration as a student of Patna University.	
6. Whether the permission of the Registrar of the previous University has been obtained for registration as a student of Patna University.	
7. Whether he is a native of the Province of Behar & Orissa or is domiciled in the Province.	
8. The circumstances which led to his studying in another province and the length of his residence there for purposes of study.	
9. If he is not a resident of or domiciled in, the Province of Behar & Orissa, why he desires to study at a College in this Province.	
10. The College and Class in Behar & Orissa in which he wishes to take admission.	

The letter of permission of the Registrar of the previous University, as well as a copy of the entries in the Register of Students of the previous University against the applicant's name is submitted herewith.

Date.....Signature of the Applicant.
No.

Forwarded to the Registrar, Patna University with the recommendation that the applicant may be admitted in.....
College.

Principal,

.....College.

Dated.....
No.

Office Note.....

.....Registrar

Vice-Chancellor's orders.....

.....Vice-Chancellor.

Recognition of Law Degrees by Law Courts.

THE ALLAHABAD HIGH COURT.

Copy of Notification No 407/45-2 (2) dated Allahabad the 6th February 1923.

IN THE HIGH COURT OF JUDICATURE AT ALLAHABAD
 ENGLISH (CIVIL) DEPARTMENT.

No 407/45-2 (2), dated Allahabad the 6th February, 1923

Notification.

The following amendment is made in the Rules of Court of the 18th January 1898, revised and corrected up to 31st January 1920:—

In Chapter XV, rule 12, clause (a) after the word "Allahabad" insert the words "or of the University of Aligarh, or of the University of Benares or of the University of Lucknow"

By order of the Court.

(Sd) J.N.G. JOHNSON I.C.S.

Registrar.

IN THE HIGH COURT OF JUDICATURE AT ALLAHABAD

(Civil Side)

No. 4154/45 dated Allahabad the 19th November 1924,
Copy forwarded to the Registrar, Benares Hindu University
with reference to his letter No 2039/IV (D)—11 dated the
13th November 1924.

By order of the Court

(Sd) ILLEGIBLE,

Assistant Registrar,
High Court at Allahabad.

THE OUDH JUDICIAL COMMISSIONER'S COURT.

Copy of letter No 3646 XIV—2 dated Lucknow, the 24th December, 1924, from the Registrar, Judicial Commissioner's Court, Oudh, Lucknow, to the Registrar, Benares Hindu University.

"In reply to your letter No 2484/IV D—11 dated 18th December 1924, I am directed to enclose herewith a copy of this Court's notification No 1316/XIV—2 dated the 2nd May 1923, from which it will appear that necessary recognition has been accorded to the Law Degrees of your University along with those of Aligarh and Lucknow Universities"

JUDICIAL COMMISSIONER OF OUDH.

AMENDMENT OF OUDH CIVIL DIGEST VOLUME I

Notification No 1316/XIV—2.

Dated Lucknow, the 2nd May 1923.

Insert the following words after the word "Allahabad" in clause (a) appended to rule V (4) and VI (2) in paragraph 267 at pages 80 and 81 as amended by correction slip No 145 dated the 21st March 1921.

"or the University of Aligarh, Benares or Lucknow,

By order of the Judicial Commissioner of Oudh,
(Sd.) SAHYID IFTIKHAR Hussain,
Registrar.

—————

THE PATNA HIGH COURT.

Copy of Letter No. 6318 dated the 8th December, 1924, from the Registrar of the High Court of Judicature at Patna to the Registrar, Benares Hindu University.

"With reference to your letter No. 2319 IV D 9 dated the 29th November, 1924, on the subject of recognition of the law degrees of the Benares Hindu University, I am directed to say that necessary amendments have already been made in the Patna High Court Rules as also in the General rules and Circular Orders extending the recognition of this Court to the Law degrees of your University. I am to request that you will be so good as to arrange for the regular supply of the Calendar of your University to this court."

—————

THE SINDH JUDICIAL COMMISSIONER'S COURT.

Copy of Letter No. A/2106 dated Karachi the 13th December, 1924, from the Registrar, Court of the Judicial Commissioner of Sind.

"With reference to your letter No. 2344/V D-9 dated the 2nd December 1924, I am directed to state that at present no distinction is made nor any contemplated by this Court between the Law degrees of the different Indian Universities. Bachelors of Laws of any Indian University, if furnished with a certificate as to the knowledge of Sindhi and as to domicile in Sindh are deemed qualified for admission as pleaders."

THE CENTRAL PROVINCES JUDICIAL
COMMISSIONER'S COURT.

Copy of letter No. 6441/1-20-108/24 dated the 16th December 1924, from the Registrar, Judicial Commissioner's Court, Central Provinces to the Registrar, Benares Hindu University.

"With reference to your letter No. 2342/V-D-9 dated the 2nd current, I am directed to say that under the rules of this court a law graduate of the Benares Hindu University is eligible for admission as a pleader in this province, provided he is a permanent resident of the province. A copy of the rule on the subject is herewith sent for information."

Copy of Rule V of paragraph 3 of the Judicial Commissioner's Civil Circular No. II-3.

V. The following persons and no others are qualified for admission as Pleaders of the 2nd grade, and if the Judicial Commissioner thinks fit, may be enrolled as Pleaders of that grade, subject, in the case of Government servants, to such conditions as the Judicial Commissioner may attach to place of practice:—

Persons who

- (1) are permanently resident in the territories for the time being under the Administration of the Chief Commissioner of the Central Provinces or

who have served the government in those territories, and

- (2) have obtained the degree of Bachelor of Law at any British Indian University.

THE CALCUTTA HIGH COURT.

Copy of Letter No. 1207 E. dated the 23rd January, 1925, from the Registrar of the High Court of Judicature at Fort William in Bengal, (Appellate side.)

“ With reference to your Letter No. 2318/VD—9 dated the 29th November, 1924, and its enclosures, I am directed to say that the Hon’ble the Chief Justice and Judges are pleased to extend to the Law degrees of the Benares Hindu University, the recognition required by Section 16, of that University Act, and that the rules relating to Legal practitioners, contained in Chapter XI, Vol. I of this Court’s General Rules and Circular Orders, Civil and in Chapter XIV of the “ Rules of the Appellate Side ” of this Court will be amended accordingly.”

THE MADRAS HIGH COURT.

Copy of Letter No. 3388/24 dated the 14th April, 1925, from the Registrar, High Court of Judicature, Madras to the Registrar, Benares Hindu University.

“ I have the honour to state that the LL. B. Degree Examination of your University has been recognised by this High Court as equivalent to the Madras B. L. Degree Examination and the rules relating to the enrolment of High Court Vakils and Pleaders have been amended accordingly. Copies of the rules and amendments are enclosed for information.”

THE N. W. FRONTIER PROVINCE JUDICIAL COMMISSIONER’S COURT.

Copy of Letter No. 3399 dated the 23rd December, 1924, from the Registrar to the Judicial Commissioner, N. W. Frontier Province to the Registrar, Benares Hindu University.

“ In acknowledging the receipt of your Letter No. 2343/

VD9 dated the 2nd December, 1924, together with the copies of the Act, the Regulations and the Syllabus, I am directed to inform you that under the rules relating to admission of Legal practitioners in the N. W. F. Province, Bachelor-in-Laws of any Indian University are entitled to practise as Legal practitioners in this province."

Recognition for the Study of Medicine.

Copy of letter No. 60804 dated the 31st August, 1920 from the Assistant Secretary, General Council of Medical Education and Registration of the United Kingdom 44, Hallam Street, Portland Palace, London to the Registrar, University of Allahabad.

"In answer to your letter of the 4th instant, No. 4070 of 1920 regarding the position of the Patna and Benares Hindu Universities in relation to your Medical Faculty, I am directed to inform you that the Council has recognised the preliminary examination of the University of Patna plus the Intermediate Examination in Arts or Science as entitling medical students to registration in this country. This recognition does not extend to any part of the medical course. On the other hand if any Indian University granting a recognised medical degree will recognise the Intermediate Examination of the University of Patna as equivalent to its own Intermediate Examination for purposes of professional study, the Council will accept that recognition. It lies with each of the Indian Universities which at present grants a medical degree recognised by the Council to say whether or not it will accept in whole or in part, the Intermediate Science Examination of Patna University. Any University granting medical degrees which so recognises the Intermediate course of study (Physics, Chemistry and Biology) and examinations of Patna University should notify the General Medical Council of its action in this respect.

"The same would apply to the University of Benares were this Council to accord similar recognition to that accorded to the University of Patna on receipt of an application from the University of Benares for this to be done."

Copy of Letter No. 61899 dated 21st December, 1920, from the Registrar, General Council of Medical Education and Registration of the United Kingdom, London, to the Registrar, Benares Hindu University.

"In reply to your letter of the 19th instant No. 1255/VB/6c. I have to say that at the recent meeting of the Education Committee, a letter from the University of Allahabad, in regard to the recognition for which you ask, was received and on the 2nd of December I wrote to the University saying that the Committee had decided that the study of Chemistry, Physics and Biology at the Universities of Patna and Benares should be recognised provided it is recognised by one of the Indian Universities. * * *

Recognition by Foreign Universities.

Copy of Letter No. 2352.I dated the 26th May, 1923, from the External Registrar, University of London, to the Registrar, Benares Hindu University.

"I beg to refer to your letter of 11th October, 1922, received here on 4th April, 1923, in which you ask the University of London to extend to students of the Benares Hindu University whatever recognition may be possible.

"In reply I am glad to be able to inform you that so far as admission is concerned the Senate have decided to add the Benares Hindu University to the list of Universities whose graduates are eligible for exemption from the Matriculation Examination here.

I may add that under-graduates of your University will, if proceeding to a degree here, be admitted to a special form

of Preliminary Examination, viz., that under Statute 116 for which I enclose a copy of Regulations."

Copy of Letter dated 28th June, 1923 from the Academic Registrar, University of London to the Registrar, Benares Hindu University.

"You have already been informed of the position of graduates and under-graduates of the Benares Hindu University with regard to Matriculation in this University.

The question of the approval of your University for the purpose of the registration of students under Statute 113 or Statutes 113 (a) and 125 (a) has also been considered and the Senate have passed the following resolution—

"That the authorities of the Benares Hindu University be informed that it is not the present practice of the University to approve any other Universities generally for the purposes of Statute 113 or Statutes 113 (a) and 125 (a) but that it is open to graduates of the Benares Hindu University to submit applications under these Statutes and that such applications will be considered individually."

I am sending you under separate cover, Regulations for the Admission of Students from other Universities as candidates for higher degrees, Regulations for the Ph. D. Degree and Regulations under Statutes 113 (a) and 125 (a)."

X.

The Benares Hindu University, and the Institutions maintained by it, with their various departments of Instruction.

As will have been seen from the preceding pages, the Benares Hindu University is incorporated under an Act (No. XVI of 1915) which was passed by the Indian Legislative Council on the 1st of October 1915. Lord Hardinge, to whose broad-minded support the University owes a great deal, laid the foundation stone of the University on 4th February, 1916, in the presence of a distinguished assembly, which included their Highnesses, the Maharajas of Kashmir, Jodhpur, Bikaner, Kishengarh, Alwar, Nabha, Datia, Jhalawar and Benares, the Lieutenant Governors of the United Provinces, Behar and Orissa and the Punjab, eminent scholars like Sir J. C. Bose, Sir P. C. Roy, Dr. Harold Mann, Sir Sankaran Nair, the then member for Education, and several other Maharajas, Rajas and other ladies and gentlemen of distinction from various parts of India. A magnificent site, two miles long and one mile wide, possessing a salubrious climate and situated at a sufficient distance from the city of Benares to enjoy ideal academic quiet, was acquired at a cost of nearly six lakhs, a general lay-out plan was prepared, roads were laid out and the construction of buildings was begun in May 1918, and the buildings so far constructed include, the Arts College, the Physical Laboratory, the Chemical Laboratory, the Power House, several workshops of the Engineering College, three large Hostels which provide accommodation for 1100 students, a Hostel for women, 84 Residential quarters for the staff, besides

out-houses and servants' quarters, and a large hospital. The length of roads within the area is about 25 miles and of drains over 50 miles. In fact, a new Town has had to be created and placed under the supervision of a University Town Committee, constituted by the Council which looks after Sanitation, Public Health, Roads, Arboriculture, Conservancy, Water-Works, Lighting Watch and Ward, Markets, Primary Education etc, of the University Town.

The objects of the University have been thus formulated :

(i) To promote the study of the Hindu Shastras and of Samskrit literature generally as a means of preserving and popularising for the benefit of the Hindus in particular and of the world at large in general, the best thought and culture of the Hindus, and all that was good and great in the ancient civilization of India;

(ii) to promote learning and research generally in arts and science in all branches;

(iii) to advance and diffuse such scientific, technical and professional knowledge, combined with the necessary practical training, as is best calculated to help in promoting indigenous industries and in developing the material resources of the country; and

(iv) to promote the building up of character in youth by making religion and ethics an integral part of education.

To achieve these objects the University has so far established a College of Theology, a College of Oriental Learning, a College of Arts and Science, both pure and applied, with laboratories of Physics, Chemistry, Botany and Zoology, and Geology, a Teachers' Training College and an Engineering College for imparting instruction for degrees in Mechanical and Electrical Engineering and a Law College. Laboratories have been equipped for imparting instruction in Industrial Chemistry and Mining and Metallurgy also, and degrees in Mining and Metallurgy, besides the B.Sc. degree in

Engineering have been instituted. The subject of Ayurvedic Medicine which hitherto formed part of the courses in the Faculty of Oriental Learning, is soon going to form a subject for the establishment of a separate College of Ayurveda, and schemes are under consideration for the institution of separate degrees in the subject. The Sir Sundarlal Hospital which will be attached to the said College of Medicine, providing accommodation for at least 100 patients, is now nearly ready. Schemes for studies in Commerce and Agriculture have also been under consideration.

The University has a denominational name. It has to make special provision for imparting instruction in Hindu Theology and religion. Instruction in Hindu religion is compulsory in the case of Hindu students and special arrangements are to be made for the religious instruction of Jain and Sikh students through Sub-Committees of Jain and Sikh members of the University. Membership of the Court, which is the supreme Governing body of the University, is confined to Hindus. An exception, however, has been made in the case of Dr. Anni Besant. These are features of the University which constitute its special claims upon the members of the Hindu community. But these features apart, the Hindu University is a catholic institution. Subject to the Regulations, it is open to persons of both sexes and of all classes, castes and creeds; so are its freeships, stipends, general scholarships of merit and fellowships. Though their number is not yet large, there are Musalman students also on its rolls. Religious instruction is not compulsory in the case of Non-Hindu students. Excepting teachers of religion, professors are selected without any distinction of race or creed.

The University is pre-eminently an All-India Institution. His Excellency the Viceroy is the Lord Rector, His Highness the Maharaja of Baroda is the Chancellor, and His Highness the Maharaja Bahadur of Bikaner, the Pro. Chancellor. Besides these, their Highnesses the Maharajas of Mysore and Kashmir, H. H. the Maharaja of Udaipur, their

Highnesses the Maharajas of Jodhpur, Jaipur, Gwalior, Kishenharh and Alwar, H.H. the Maharao of Kotah, their Highnesses the Maharajas of Indore, Patiala, Nabha, Benares, Datia, the Maharawal of Dungarpur, the Maharaj Rana of Dholpur, the Maharajas of Kapurthala and Jhalawar, their Excellencies the Governors of Bombay, Madras, Bengal, the Punjab, Behar and Orissa, and the heads of the other local Administrations in British India are Patrons of the University. His Excellency the Governor of the United Provinces of Agra and Oudh is the Visitor. In addition to liberal non-recurring grants from Indian States, the University receives a permanent annual grant of one lakh a year from the Government of India, of Rs. 24,000/—a year each from the Jodhpur and Patiala Darbars, and Rs. 12,000/—a year each from the Mysore, Kashmir and Bikaner Durbars. It is being built up and is maintained with contributions made by these and several other Indian States and donors in all the Provinces of India. It draws its members of the Court, the Council, the Senate, and the Faculties and its professors from all parts of India. A school situated in any part of British India or in any Indian State, can be recognised according to the Regulations of the University for sending up its pupils for the Admission (the Matriculation) Examination of the University. The Syndicate can freely admit to the University courses candidates who have passed the Matriculation Examination of the Bombay, the Madras, the Calcutta, the Allahabad, the Punjab, the Patna, the Dacca, the Lucknow and the Aligarh Universities, or the School Leaving Certificate Examination held in any British Province or in any Indian State or any one of the following examinations, viz., the final examination prescribed for European Schools or the Diploma Examination of the Chiefs' College. The names of examinations which have been so far recognised as equivalent to the Admission Examination of this University are given elsewhere in this Calendar. Students who have passed other examinations of the other Indian Universities are also admitted into the higher classes of this University for which they are

eligible under the Regulations. As must have been seen from a previous Chapter, the examinations and degrees of this University are also recognised by other Universities and by the Government.

The University elects its own Chancellor and Pro-Chancellor. It also elects its Vice-Chancellor and the Pro-Vice-Chancellor, though the appointments of the last two officers, require the approval of the Visitor. The University prescribes the courses of studies for the Examinations for its various degrees and appoints the Examiners. According to the Regulations, for each subject or group of subjects forming part of the Courses of Studies for any Examination, at least one External Examiner is appointed by the Syndicate. The University has already held its examinations during the last eight years and has conferred the degrees of Bachelor of Arts and of Science (both pure and applied) of Masters of Arts and Science, Licentiate of Teaching, Shastri, Dharmashastri, Shastracharya, Dharmacharya etc. on a number of its alumni. Section 16 of the Benares Hindu University Act provides that the degrees, diplomas, certificates and other academic distinctions granted by the University shall be recognized by the Government to the same extent and in the same manner as the corresponding degrees, diplomas, certificates and other academic distinctions granted by any other University incorporated by an Act of the Governor-General-In-Council. The University Court and Senate can respectively add, alter or amend its Statutes and Regulations, but the additions and amendments require the approval of the Visitor and in some cases of the Governor-General-In-Council. Notwithstanding this, it can safely be said that no University in British India enjoys more freedom and possesses greater power of initiative than this University. And it is a matter of genuine satisfaction that many of the recommendations of the Calcutta University Commission regarding the constitution of the various bodies and the administration and development of Universities as Teaching

and Residential Universities were anticipated by the organisers of the Benares Hindu University.

The University regards the building up of character as an integral part of education, and has provided various means of achieving this important object.

The accounts of the University are audited every year by Chartered Accountants and are published in the Gazette of India. About a crore of rupees has already been collected by the University. Of this, a sum of fifty lakhs has always to be kept in hand, under the Act governing it, as a permanent endowment, for meeting the recurring expenditure of the University. A large sum has been spent in acquiring the site (1300 acres) and in building the Colleges, Laboratories, Hostels and Residences of the staff. The University has a recurring annual income from all sources, of seven lakhs a year, and a part of its annual expenditure is met at present by donations. But the building up of a modern residential and teaching University is a very costly affair. The University urgently needs at least fifty lakhs more non-recurring and three lakhs a year recurring to enable it to develop the various faculties which have already been constituted and to create new faculties. One of its most important Colleges is the Engineering College. It prepares students for degrees in Mechanical and Electrical Engineering. The standard is nearly the same as that of the B. Sc. in Engineering of the University of London. Students are also admitted to Courses for diplomas in Engineering and there are classes for imparting training and instruction to artisans also. A department of Geology, Mining and Metallurgy has also been created and, as has been said above, degrees in Mining Engineering have been instituted. If adequate public support is secured, this institution can easily be developed into a fully equipped first class Engineering College. Being open to youths of all parts of India, it is an institution which supplies a long-felt want and it therefore deserves the support of the Government as well as the public of all provinces of India.

Funds are also needed to start the very useful faculties of Agriculture, Commerce and Medicine, also for building up and equipping a first class University Library, a University Press, an Industrial and Economic Museum, a Technological Institute for imparting instruction in various branches of Applied Chemistry, an Observatory, a Senate Hall, a Gymnasium, an Armoury and a Drill shed for promoting Physical culture and Military Training. A Military Training Corps has already been organised and a limited number of student are being trained under the staff sergent Instructor appointed by the Government.

From what has been stated above, it will be clear that the the University is an All-India institution, the benefits of which are open to students of all classes and creeds, and of both sexes, and that those entrusted with the management are endeavouring to build up a national centre of education which will provide to the youth of the country first class instruction and training, both theoretical and practical, in a number of useful departments of knowledge, and which will at the same time develop in them a robust and well-balanced character, based on patriotic sentiment and public spirit.

Donations of Rs. 50,000 and more which have already been paid up are noted below :—

H. H. the Maharaja of Mysore	..	2 lakhs & Rs. 12,000	a year.
„ „ Baroda	..	1 lakh.	
„ „ Kashmere	..	12,000 per year.	
„ „ Udaipur	..	1½ lakhs.	
„ „ Jaipur	..	5 lakhs.	
„ „ Gwalior	..	5½ lakhs.	
„ „ Indore	..	5 lakhs.	
„ „ Patiala	..	5 lakhs & Rs. 24,000	a year.
„ „ Jodhpur	..	3 lakhs & Rs. 24,000	a year.

H. H. the Maharaja of Bikaner	.	1 lakhs & Rs. 12,000 a year.
„ „ Alwar	.	2 lakhs.
„ the Maharao of Kotah	.	1½ lakhs.
„ the Maharaja of Nabha	.	1 lakh.
„ „ Kishengarh	.	5,00,00.
„ „ Benares	.	1 lakh.
The Maharaja Dhiraj of Darbhanga	.	4 lakhs (out of 5 lakhs promised).
The Maharaja of Cossim Bazar.	.	1 lakh & Rs. 72,000.
Raja Motichand of Benares	.	1 lakh & Rs. 18,200.
The late Sir Rash Behari Ghosh Calcutta	.	1 lakh.
The Maharaja of Balrampur (Oudh)	.	1½ lakh.
Raja Surajbux Singh (Oudh)	.	1 lakh.
The late Sir Sunder Lal, Allahabad	.	1 lakh.
Raja Baldevdas Birla	.	3¼ lakhs.
Babu Brijendra Kishore Roy Choudhary of Bengal	.	1 lakh.
Rai Saheb Sangidas Jessiram Bombay	.	1½ lakh (out of 2½ lakhs promised).
Rai Ram Narain Choudhary Bahadur Bombay	.	1 lakh & Rs. 1,000.
Seth Khetsey Khairsey Bombay	.	1 lakh.
Seth Baldev Das Hazarimal Dudhwala Calcutta	.	1 lakh.
Rai Ramcharan Das Allahabad Bahadur	.	75,000 (out of 1 lakh promised).
Raja Kristodas Law & Brothers	.	7,50,00.
Seth Vissanji Munji Bombay	.	51,000.
Seth Mulji Haridas Bombay	.	50,000 (out of 1 lakh promised).

Seth Narottam Morarji		
Gokuldas & Seth		
Rattansey Dharam-		
sey Morarji	Bombay	1 lakh.
Babu Bankelal & Moon-		
galal	Bombay	50,000 (out of 1 lakh promised).
Babu Jivaulal Bhag-		
wanlal & Pannalal	Bombay	6,20,00.
Mahant Satish Chan-		
dra Giri	Tarakeshwar	1 lakh.
Seth Manilal Jugaldas	Bombay	51,000.
Seth Surajmal Har-		
mandrai	Bombay	51,000
Seth Hansraj Pragji		
Thakersey & Sis-		
ters	Bombay	5,10,00.
Seth Shantidas Asuka-		
ran	Bombay	51,000.
Seth Mathuradas Vis-	Bombay	62,800 (out of 1 lakh 50,000 promised.
sanji Khimji		
Mangaldas G. Parekh		
	of Ahmadabad	51,000.
Maharaja of	Dholpur	70,000.

THE CENTRAL HINDU COLLEGE.

The Central Hindu College represents the Arts and Science sides of the University. It was founded in July, 1898 with the object of imparting religious and moral instruction based on Hinduism, side by side a thorough secular education and thereby to send out into the world youngmen of high character and substantial attainments. It was originally under the management and control of a Board of Trustees which handed it over to the Hindu University Society registered in 1911. Till 31st March 1916, it was managed by a committee appointed for the purpose by the said Society and consisting of the following members:—

The Hon'ble Dr. Sundarlal B.A., LL.D. C.I.E. (President)

The Hon'ble Pandit Madan Mohan Malaviya, B.A., LL.B.,
(All.).

Rai Gyanendranath Chakravarti Bahadur M.A., LL.B.

Prof. Bertram Keightley M.A., Bar-at-law.

The Hon'ble Dr. Tej Bahadur Sapru M.A., LL.D.

Rai Srish Chandra Basu Bahadur B.A., LL.B.

Pandit Baldeo Ram Dave

Pandit Gokaran Nath Misra, M.A., LL.B.

Babu Bhagavandas, M.A.

Babu Upendra Nath Basu, B.A., LL.B.

Pandit Chheda Lal, B.A.

Rai Abhay Charan Sanyal Bahadur, M.A.

Principal, Central Hindu College, *ex-officio*.

Babu Jnanendra Nath Basu, B.A., (*Secretary*)

By reason of the notification No. 255 dated 23rd March, 1916, issued by His Excellency the Governor General in Council, directing that the Benares Hindu University Act (No. XVI of 1915) shall come into force on and with effect from the 1st April, 1916, and by reason of the said Act coming into force on the said date and the Hindu University Society being dissolved, the Vice-Chancellor in exercise of the powers vested in him under Clause (4) Statute (9) of Schedule I of the Act entrusted the management of the institution to the same committee "up to and until the said University is able to meet and make the necessary provision for the maintenance and management of the said institution." The College has since been managed by the duly constituted authorities of the University and was "deemed to be a college maintained by the University" (by a notification issued by the Governor General in Council under Section 15 of the Act) from the 1st October, 1917.

The College was originally affiliated to the Allahabad University up to the M.A. and M. Sc. standards and sent up its candidates for the Examinations of the Benares Hindu University for the first time in 1918. Till August, 1921, it occupied buildings and lands originally presented by His Highness Maharaja Sir Prabhu Narayan Singh Bahadur, K.C.S.I., G.C.I.E. of Benares at *Kamacha*, Benares and has since been removed to its new buildings known as the Arts and Science College buildings on the University site. The College prepares students for the examinations of the University in nearly all the subjects allowed by the Regulations. Religious instruction is compulsory for all Hindu students and has a regular place in the college time-table and lectures are regularly delivered by teachers appointed for the purpose. There are well equipped laboratories for Science subjects. The students have to reside in the hostels of the University except with the special permission of the Pro-Vice-Chancellor. The Athletics are in charge of a special association, which looks after the various games and affords all facilities for students to take active part in them. The games usually played are Football, Hockey, Cricket, Lawn Tennis etc. in all of which members of the staff also take part.

The College comprises the following main Departments:—

Sanskrit, English, Philosophy, History, Economics, Mathematics, Physics, Chemistry, Industrial Chemistry, Botany, Zoology, Geology, Persian, and Arabic, Modern Indian languages e.g. Hindi, Urdu, Bengali, Marathi, Gujrati, Tamil, Telugu etc. A short description of some of the Departments is given below:—

THE DEPARTMENT OF SAMSKRIT & PALI.

Besides doing the usual work of the undergraduate classes, the Department undertakes to teach the following courses prescribed for the Degree of Master of Arts in Sanskrit and Pali:

- (a) Vedic Literature,
- (b) Vyakarana,
- (c) Sahitya and Alankara,
- (d) Dharmasastra,
- (e) Nyaya Vaisesika,
- (f) Vedanta,
- (g) Epigraphy and Palaeography,
- (h) Jainism,
- (i) Pali.
- (j) Mimamsa,

The students can choose any one of these subjects, but owing to paucity of lecturers not more than *two* groups are allowed to be formed in any single year. During the last five years the Department has conducted classes in Veda, Darsanas, Sahitya-Alankara, Prakrt and Epigraphy—which forms the necessary part of the studies laid down for the M. A. Examination—and the special groups of Sahitya and Alankara, Nyaya and Vaisesika, Dharmashastra and Mimamsa and Vedanta (of Sankaracharya, Ramanujacharya and Vallabha-charya).

It is also doing substantial work in the group of Ancient Indian History and Culture which has been recently started. But the Department would be better able to train its graduates and guide research in the various branches of Sanskrit and Prakrit Learning if it were strengthened by the establishment of the following additional chairs:

- (1) Vedic Literature,
- (2) Sahitya and Alankara,
- (3) Nyaya and Vaisesikas,
- (4) Mimamsa and Dharmasastra,
- (5) Sankhya Yoga and
Vedanta in its different branches

- (6) Itihasa, Puranas, Comparative Mythology, Ancient Indian Historical Tradition and Folklore,
- (7) Vyakarana,
- (8) Philology of Indo Aryan Languages of Vedic and Classical Samkrit and Prakrit,
- (9) Jainism (Religion & Philosophy)
- (10) Buddhism (Religion and Philosophy) and Pali
- (11) Epigraphy, Archaeology and Numismatics.

The department possesses a handsome collection of Samskrit and Pali books as part of the University Library. The nucleus for the collection has been presented to the University by the heirs of the late Mr. Justice K. T. Telang and it is an inspiration to the students to have the privilege of using the books which were at one time read and marked by that fine Samskrit Scholar. Besides this old collection which has been added to from time to time by means of the annual grants made by the University, the Library contains special section of richly bound volumes of Samskrit books named the Rurmal Goenka Section, a posthumous gift of the late Rai Bahadur Rurmal Goenka of Calcutta.

THE ENGLISH DEPARTMENT.

The study of English Language and Literature forms one of the most important aspects of the University's courses, being compulsory for all students at the Intermediate and B. A. stages. Provision is made for an advanced course in the subject at the M. A. and it is also an optional subject of study in the Science courses leading to the B. Sc. Degree.

The courses have been designed so as to give the students an efficient grounding in the language, composition occupying an important position and literary classics of various types and periods being prescribed for study in adequate number. Students are introduced to Shakespeare at the Intermediate

stage in addition to other poetry and prose that form part of the course, and the studies are extended to a much wider limit at the B. A., and the B. A. Honours. There is an elaborate course for the M. A. degree which combines knowledge of the various periods of literary history with a study of all the important literary forms such as Poetry, Prose, Drama and Criticism, represented by some of the best available examples in English.

A special feature of the courses is the prescribing of a number of general books representing various types of composition and serving not only as models of style but also as aids to intellectual culture. Students of Science, besides, are given the opportunity of studying well-known English writers who have been particularly successful in combining lucid exposition of science with excellence of style. Another feature is the prescribing of books having a bearing on Indian culture and civilization as part of the English courses, as it is recognised that while the best masterpieces of English must necessarily be associated with English life and civilization the Indian student must also have matter relating to his own environment presented in some of the forms of literary art. The works of Rabindranath Tagore, selections from Tod's *Rajasthan* and such sympathetic studies of Indian life and civilization and Sister Nivedita's *Footfalls of Indian History* have been prescribed, from time to time, for general reading.

There is a very valuable Library attached to the Department to which considerable additions have been made within the last three or four years and it is now one of the best libraries on the subject in Northern India. Besides the standard literary masterpieces of the language, it has a large number of foreign classics available in translations and a considerable body of books on literary criticism. An effort has been made to render the library particularly up-to-date by the inclusion of the most distinguished of living exponents of the various branches of English Literature. A good Reference Section enhances the usefulness of the Library.

Having a strength of more than a thousand students, which is showing a continual tendency to increase not only in the undergraduate but also in the Post graduate classes, the staff has long been in need of substantial addition. Provision has to be made for the introduction of tutorial work without which the teaching of a foreign language to such a large number of students can not be carried on with the best advantage. The Department is also anxious to institute Library classes in small tutorial groups, which form such an effective feature of language study in some other parts of the world. The courses have also to be revised with a view to provide far more detailed specialisation in various periods of literary history which also demands additional strength in the staff. Applications are already being received for help in research work and advanced studies, the granting of which will mean further responsibility to the Department. The Library of the Department is also in need of additions to keep pace with the growing volume of extensive literature relating to English studies for which a special grant will be welcome.

DEPARTMENT OF PHILOSOPHY.

The work of this department falls under three grades or successive stages—Under-graduate, the Graduate and the Post-graduate, each covering the period of two academic sessions.

At the under-graduate stage, called here the Intermediate, students receive systematic instructions in the subject of Logic, both Western and Indian. They have to study the Elements of Deductive and Inductive Logic, and in comparison with them, the logical doctrine of the Nyaya System. The idea under-lying the course of instructions at this stage is to impart a sort of general preparation for the studies of the next higher stage leading up to the Degree of Bachelor of Arts.

This second stage brings the students in real touch with philosophical subjects. Besides instructions in Mental and

Moral Science, they have also to study the elements of Metaphysics of a particular eminent Philosopher of the Modern period in the West and also the position of a particular scheme of Indian thought. There are two courses of reading open to the students—the Ordinary and the Honours, the latter being specially meant for those who show special aptitude for philosophical studies and are desirous of carrying on their studies in the subject for the post-graduate degree. The ordinary course includes at present (a) Psychology, (b) Ethics, (c) Berkeley's Metaphysical Principles and (d) the Sankhya system of Thought as presented in Iswara Krishna's *Sankhya-karika*. The Honours student is required to do, besides the ordinary course, studies of a higher standard either in a branch of Western or of Indian Philosophy. The subjects at present provided for in this course are the following; any one of which may be taken up :—

- (a) History of Philosophy with special study of the position of a particular author of the Modern Period.
- (b) Logical Theories as an advanced study and the detailed position of Indian Logic as presented in Kesava Misra's *Tarka-bhasa*.
- (c) Social Psychology and the Elements of Sociology and Social Philosophy.
- (d) A branch of Indian Philosophy to be studied from the original sources as far as possible comprising the following alternative groups :—
 - (i) *Nyaya-Vaisheshika*, (ii) *Vedanta*, (*Advaita* and *Visitadvita*), and (iii) *Jaina--Bauddha*.

At the Post-graduate Stage, called the M. A., the students are required to go through a systematic course of lectures and seminars for a continuous period of two years. The subjects taken up are of an advanced character, and they have to be studied both historically and critically. The students are also encouraged to do specialised studies in a

particular branch of Western or of Indian Philosophy, so as to be able to carry on re-search work in the subject selected after taking the M. A. Degree. This is done in the second year of the course. In the first year, as a general preparation for the next year's work, the students have to go through systematic courses in—

- (a) History of Ancient, Medaeval and Modern Philosophy of the West with special study of the position of Kant as presented in his critique of pure Reason.
- (b) General Psychological Principles as presented in the best and eminent authors of the present day in the West
- (c) Outlines of Indian Philosophy relating to the general position of the main schools of Indian Thought, with special reference to the system of Vedanta.

The second year's studies include, besides a course in General Philosophy dealing with the problems as they stand at present in the West, specialised study of one of the following groups of subjects:—

- (a) Logic—as Formal and Symbolic and also as Methodology and Theory of knowledge.
- (b) General Ethics and the Principles of Sociology.
- (c) Special Psychology (Physiological, Abnormal, Comparative etc.)
- (d) Comparative Religion.
- (e) Nyaya and Vaishesika
- (f) Samkhya and Yoga,
- (g) Vedanta-Advaita and Visistadvaita.
- (h) Mimamsa—the position of the Prabhakara and the Bhatta Schools.
- (i) Jaina and Bauddha.

A point that is insisted on, in connection with the above groups of studies in Indian Philosophy is that they have to be done from the original sources, as far as possible, and students have actually done so with great interest. During the past four years, almost every branch of Indian Philosophy has been represented at the Final Degree of M. A.

The work of the department is usually carried on by four men—professors and their assistants, and care is taken to see that, in the distribution of work, a subject should go to the teacher who has done advanced studies in it of a specialised nature. The department, however, needs more men to be able to take up all the subjects and the post-graduate course. Mention should be made here that the students at this stage receive at times some assistance from the Professors of the Oriental College in reading Samskrit text of the different systems of Indian Philosophy

THE DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE.

The Department arranges for instruction in Economics (in all its branches), Economic History, Economic Geography, Public Administration and Political Science. A special feature of the work of the Department is to teach Elementary Economics, Economic Geography and Indian Administration to the Intermediate classes. Economics is a very popular subject in the University. There are over 600 students in the Department.

In the teaching of Economics and Politics special attention is paid to the peculiar conditions and problems of India. In the M. A., students are required to make a special and detailed study of some Indian Economic problem. Separate courses of public lectures are organised on subjects of topical interest and a systematic attempt is made to create an intelligent public opinion on economic and political matters.

An attempt has been made to introduce the tutorial system but owing to the paucity of funds and the consequent inability

of adding tutors to the staff much progress has not yet been made in that direction.

The Department gets the leading economic and political journals and periodicals published in England, America and India and maintains a sectional library and reading room in conjunction with the History Department. The History and Economics Departments are working in free and full co-operation.

Two members of the staff are engaged in research work at the present time but owing to heavy teaching work are not able to make rapid progress.

The Department has organised an Economic Society which has begun its work. A special feature of its work will be to organise groups for economic investigation in the neighbouring villages and towns. The Department also wishes to organise economic tours to study and compare conditions in the various parts of the country.

The Department has worked out a complete scheme of commerce courses but has not been able to start commerce classes as yet.

The Department requires more money for equipment-books, maps, journals, reports, etc. and for the addition of tutors, Assistant Professors and Professors to the staff to enable the department to develop its work in the directions mentioned above.

THE DEPARTMENT OF HISTORY.

The courses prescribed in History for the various examinations will give an idea of the instruction given in the subject. Civics has been added as a new optional subject for the Intermediate examination and Ancient Indian History and Culture as an independent subject for the M.A. Examination. A spe-

cial chair in the latter subject has been endowed by Maharaja Sir Manindra Chandra Nandi Bahadur of Cossimbazar.

THE DEPARTMENT OF MATHEMATICS.

The department of Mathematics is represented in both the Faculties of Arts and of Science. Besides the usual courses prescribed for the Intermediate and the B. A. and B.Sc. examinations, there are adequate arrangements made for the teaching of the B.A. and B.Sc. Honours and post-graduate classes. With a view to encourage study and research in the various branches of Mathematics, quite a large number of optional subjects have been introduced in the post-graduate classes. In addition to the three compulsory papers prescribed for the B.A. and B.Sc. examinations, the Honours course includes one extra paper consisting of Astronomy, Differential Equations and Geometrical constructions. The subjects prescribed for the M.A. and M.Sc. examinations consist of eight papers, six being compulsory and two optional, divided in the following manner :

Compulsory.

1. Integral Calculus and Differential Calculus.
2. Analytical Conics and Solid Geometry.
3. Differential Equations.
4. Algebra, Trigonometry and Theory of Equations.
5. Statics.
6. Dynamics of a Particle and Rigid Dynamics.

Optional.

7. and 8. Two of the group (A) or of (B)

GROUP A.

- (i) Spherical Astronomy.
- (ii) Hydrostatics and Hydrodynamics.
- (iii) Harmonic Analysis.

- (iv) Dynamical Astronomy.
- (v) The theory of Integral Equations.

GROUP B.

- (i) The Theory of Aggregates and the theory of Functions of a Real Variable.
- (ii) The Theory of Functions of a Complex Variable.
- (iii) Differential Geometry.
- (iv) Non-Euclidian Geometry.
- (v) The Theory of Elliptic Functions.

The department is in possession of a fairly well-equipped library consisting of most of the important journals and a valuable collection of books dealing with the various branches of Mathematics. The department stands in need of an astronomical observatory. By obtaining some instruments like Transit Instrument, Equatorial etc., a beginning has already been made in this direction. It is expected that if the funds are made available, the observatory will be completed before long.

A number of original research papers has been published by the professors and research scholars of the department.

THE DEPARTMENT OF PHYSICS.

The Physical Laboratory is housed in a commodious double-storied building of its own with a floor-area covering about 45000 sq. ft. of which a considerable portion is at present occupied by the Botanical & Zoological Departments for which separate Laboratories have not yet been built. The portion occupied by the Physics Department consists of a large Lecture-theatre, three large Practical Halls, 3 big rooms for Instruments & stores, Professors' rooms, several rooms specially designed for advanced work in various branches of Physics, a Library, and a Workshop—in all over 33 rooms. This represents an accomodation for over 400 undergraduate students and about 20 post-graduate students and a number of research workers.

The Lecture-theatre is a large hall designed so as to make it specially suitable for experimental and lantern demonstrations and accommodates over 250 students. This is being used regularly for the I. Sc. classes and in the absence of any other suitable place it is also occasionally used for general Scientific Lectures in the University, for which purpose it must be admitted that it is too small, the required accommodation being nearly 2000. Attached to this is a Preparation room and an Instruments room.

The I. Sc. Laboratory consists of a hall 74' x 30' together with a separate balance room and two smaller rooms. A class of about 60 students can work at a time, and two such classes work everyday; so that over 700 experiments are performed in this Laboratory every week.

The B. Sc. Lecture hall is comparatively small and can accommodate about 60 students, but the B. Sc. Laboratory situated on the 1st floor consists of a well lighted Central Hall 70' x 30' for general experiments, one dark room for Optical experiments, one dark room for work with reflecting galvanometers, one room for acoustical experiments. More than 6 ft. of table space is allowed to each student and about 50 students can work at a time.

The M. Sc. Laboratory consists of a fairly large hall for experiments on Heat & General Properties, two rooms for Electrical Experiments, two rooms for Optical & Spectroscopical work, one room for Radio-activity work and one room for Acoustical experiments,

In addition to these there are rooms in the Laboratory fitted for special work of an advanced type e.g. constant temperature work, high temperature work, advanced electrical and optical work and X—Rays. Each of these is fitted with most of the necessary apparatus e. g. constant temperature baths, electric and gas furnaces, and various pyrometers, radiomicrometer, Paschen & other high sensitivity galvano-

meters, complete X—Ray equipment including a Coolidge tube, large-sized quartz Spectrograph, and high-resolving power interference Spectroscopes, various types of electroscopes for Radioactivity work etc. etc. The value of the apparatus actually in the Laboratory is nearly Rs. 1,00,000.

There is also a workshop attached to the Laboratory, and consists of an oil Engine, a dynamo, a big lathe for ordinary work, a precision lathe for very accurate work, a shaping machine etc., and the Laboratory contains quite a large number of apparatus made in this very workshop. It is proposed now to arrange to drive all the machines with electric power and it is expected that the usefulness of the workshop will then be considerably increased.

The Library consists of nearly 1300 volumes including complete sets of the following Periodicals:—

Physical Review; Philosophical Magazine; Astrophysical Journal; Jahrbuch der Radioactivitat; Terrestrial Magnetism; Proceedings of the Physical Society of London etc.

There are also incomplete sets of the following:—

Transactions of the Royal Society; Proceedings of the Royal Society of London; Annalender Physik; Journal de Physique; Electrician; Science-Abstracts etc.

The following Journals are being regularly subscribed:—

Philosophical Magazine; Physical Review; Proceedings of the Royal Society; Annalender Physik; Science Abstracts; Nature; Science-Progress and Electrician.

The work of fitting up the Laboratory with Electricity is not yet complete and although the Mains have been laid, and the electric current is available in many places, a great

deal remains to be done in this connection. It is expected that this will soon be undertaken and the large lecture theatre, the various dark rooms etc. will be fitted up with fans, lights and also exhaust-fans. A set of accumulators for giving a continuous supply of electric current at constant voltage is also needed.

With the few additions to the equipment, and some addition to the apparatus more specially in branches like Crystal-structure, Radio-Telephony, Alternating Current Electricity, Radioactivity etc., the Laboratory will become fully competent to carry on advanced work in practically all the important branches of Modern Physics.

THE DEPARTMENT OF CHEMISTRY.

The Chemical laboratory is a modern fire-proof two stored building built in a beautiful Indian architectural style and meant to serve as a central chemical institute of the University. It is provided with an efficient ventilation system and has all its rooms well lighted. There are about 42 big rooms comprising two big lecture theatres, one small lecture room two spacious practical halls each with a provision for allowing 192 students to work, a number of store rooms, research rooms and working rooms for the members of the teaching staff. Nine of the above rooms are temporarily being used by the Department of Geology, Mining and Metallurgy.

The supply of routine material and apparatus is extensive and ample facilities are provided to students to carry on research work in the field of organic, inorganic and Physical chemistry. Special facilities however exist for carrying on research work in the fascinating subject of colloid chemistry. The department is also equipped for research work in Spectroscopy, Polarimetry, organic and inorganic analysis and is also equipped for research involving large scale production of some common material.

Within easy reach of the Post Graduate Laboratories is the room containing full sets of some of the important

chemical journals and also a spacious common reading room. The departmental library is housed in one of the big rooms on the ground floor, it is in charge of a librarian and contains many valuable books of reference and fairly large collection of up to date books in Applied Chemistry.

Special facilities exist in the department for Post Graduate studies in Chemistry. Students preparing for the Master of Science examination are expected to acquire a more thorough and advanced knowledge of the subject and to get themselves thoroughly acquainted with the general principles involved in analytical work. They are expected to do mineral, gas and organic analysis and to perform the more important experiments in physical chemistry. Part of the work consists in specialising in one or the other branches of Chemistry which can be done either by taking up special and advanced study of any particular subject or by taking up research work and submitting a thesis on the same. The Post Graduate work has been planned by the department with a view, to create in the minds of the students love and taste for original work, to evoke in them self-confidence and to make them self-reliant.

Provision also exists for the admission of brilliant students for special research work, enabling them at a later stage to supplicate for the Degree of Doctor of Science of the University and there are already a number of research scholars working in the department. A number of original papers has been communicated to the various recognised journals by the staff and the students of the department during the last three years. One of the research students of the Department has recently been recommended by competent authorities on the subject in Europe for the Degree of Doctor of Science of the University.

In one of the wings of the building is housed the newly created department of Industrial Chemistry, which enables students to carry on operations on a large scale when needed.

The department is still in its infancy but is well equipped. Amongst its equipment may be mentioned the following:—

A complete set of soap and candle making machinery, water tube boiler, iron autoclaves, filter press, vacuum pans, vacuum driers and pumps, copper-stills with condensers, grinding and chipping machines, ball mills, edge runner mills, hydraulic press, centrifuge, air compressors, motors etc.

Industrial Chemistry forms one of the optional subjects for the B. Sc. examination, the two other subjects which go with it are (1) the ordinary course in Chemistry and (2) chemical engineering. The combination of these three subjects is expected to give the graduate a good working and practical knowledge of Applied Chemistry, enabling him to handle the usual plants and machinery needed for working on a large scale. It is proposed soon to add to the equipment a complete plant for the manufacture of pharmaceutical preparations on a large scale.

Owing to the rapid bounds which the Science of Chemistry is making, improved apparatus and new books are multiplying everyday, and to keep the department up to date and flourishing as at present, the equipment of the Laboratory and the Library will require immediate attention.

THE DEPARTMENT OF BOTANY.

The Department of Botany is temporarily located in the upper west wing of the Physics Building and consists of a big lecture room accomodating about 200 students, a small lecture room, a library, a museum, junior and senior laboratories for post-graduate and research work and rooms for the members of the staff.

The teaching work of the deparment is managed by a well trained staff of teachers who are themselves engaged in some kind of research or other.

Well thought out courses are organised for the Under-graduate and Post-graduate work as follows:—

1. A general introductory course in Morphology and Physiology to the Inter Science students extending over a period of two years, accompanied by laboratory work.
2. A general course in Morphology and Elementary Physiology to the B.Sc. students extending over a period of one year accompanied by laboratory work.
3. A higher course in Physiology to the B.Sc. students extending over a period of one year and accompanied by laboratory work in Histology, Micro-chemistry and general Physiology. This course is intended to train students to appear for the Honours school and also to take up further advanced work in Physiology.

Several advanced courses are organised for the Post-graduate students covering the whole field of Botany as follows:—

1. An advanced course in Algae.
2. " " " Fungi including Plant Pathology.
3. " " " Bryophyta.
4. " " " Pteridophyta including Palæo-Botany.
5. " " " Gymnosperms including Palæo-Botany.
6. " " " Angiosperms and Plant Geography.
7. " " " Physiology with special reference to the physiology of economic plants.
8. " " " Heredity and Plant Breeding.
- and 9. " " " Bio-chemistry.

The post graduate course extends over a period of two years and the students are allowed free access to the laboratory to enable them to verify by practical observation everything they learn in theory. There are no regular hours for the advanced students except for the above series of lectures and they are usually in the laboratory from morning till night. They are given every facility in the shape of modern equipment for advanced morphological and physiological work. Every student is also expected to turn out a piece of research before appearing for the examination. This training enables them to take up work of an advanced nature in the pure or the applied line after graduation.

Apart from the usual facilities for advanced Morphological work generally met with in the Universities and the University colleges of India, this University affords special facilities for advanced work in Plant Physiology, the aim being to explore the hitherto practically untouched field of Plant Physiology in the tropics. The professor and a number of students are engaged in research on various problems including respiration, transpiration, carbon assimilation, leaf fall and last, but not the least, the growth of economic plants such as that of cotton. A number of papers are contributed every year both in and outside India. The students so trained are taken up for further work by outside bodies such as the Central Cotton Committee of India either as research students or research workers. The accompanying illustrations give an idea of the existing facilities in this direction which, even with the deficiencies which are necessarily to be filled up in the near future, must yet attract research workers in the field of Plant Physiology to this University in preference to the neighbouring Universities.

There is an abundance of plant-material collected from Europe and India for class work. Material is collected from many places in India every year by professors accompanied by students. The students are taken on excursions to far and near places to study vegetation in nature.

The Laboratory is fairly well equipped from the point of view of literature existing over thousands of volumes. Apart from the text book, special attention is paid to procure original literature in all branches of Botany. Almost all recognised journals of the world pertaining to the subject are either subscribed to or obtained free. Many reference books are still wanting however for which unless provision is made in the near future, the advanced work is likely to suffer seriously.

There is a small museum containing plant material and models to illustrate different aspects of Botany. The museum is always kept open to students and visitors so that it also serves the purpose of popular education. The development of the museum and herbarium is another aspect which must soon receive the attention of the department and funds are greatly needed for this purpose.

There is a Botanical garden attached to the department which is organised with a view to grow plants for purposes of teaching and research. It also combines aesthetics with science and is taken advantage of by all the students of the University. A fernery is also attached to it. The plants grown are neatly labelled so that the students can study them for themselves in the garden. The great need of the garden is a permanent well trained staff of its own so that those who are in the teaching line may not be taxed with this work. There is also need of extending the activities for purposes of economic breeding and horticulture which is possible only when there are adequate funds to engage permanent staff and meet the necessary expenditure.

The department is thus fairly well equipped both for undergraduate study and post graduate study and with the increasing output of students it is hoped that it will soon be located in a separate building of its own which is a crying necessity of the department. An institute of the kind which claims to make speciality in the study of the physiolo-

gical processes of the plant which have great bearing on economic and social problems, has to rely upon many physical and mechanical appliances for producing first rate work and the want of a good workshop is handicapping the work in this direction.

THE DEPARTMENT OF ZOOLOGY

Teaching in Zoology is provided for the Intermediate, B.Sc. and M. Sc. examinations of the University.

The courses of study for the Intermediate and B. Sc. examinations give an intensive study of the subject as illustrated by a number of types belonging to different groups of the animal kingdom. A good deal of time is given for practical work in the subject which is carried on by observation of living specimens, dissections, microscopic examination of histological preparations made by students themselves, and in various other ways.

For the post graduate classes, while giving an extensive knowledge of the animal kingdom studied closely, a good theoretical aspect of the various problems of evolution and heredity and other biological problems worked out along modern lines of research is provided. Research on any one problem in any branch of the subject carried on during two years of study forms also an important part of the M.Sc. course. This gives a preliminary training in order to equip the worker for independent research after the University career.

Though the department is placed in a part of the building meant for Physics, the laboratory provides necessary facilities for the work indicated above. The library has got most of the well-known text books in English, German and French as published in various countries for the study of the subject, but the journals which are important for the post graduate study and research are not well represented. There is an urgent need of this important part of the library to be strengthened for which efforts are being made. There are however, a

number of well known memoirs and monographs on various groups worked out by certain specialists.

The museum of Zoology, though it compares favourably with any in these provinces requires addition of various important specimens, models and skeletons not commonly available. It is quite educative not only to students taking up the subject but also to the general public and members of the University, who may also find in it much of interest.

It is aimed that necessary facilities for the study and research in Entomology and Helminthology, the branches having special economic importance should be specially provided and it is expected that something will be done soon in this direction.

DEPARTMENT OF GEOLOGY

Geology, theoretical and practical, is taught in the Benares Hindu University as one of the optional subjects for the B. Sc. Examination and as a subject by itself for the M. Sc. Examination. It is also taught as a necessary part of the Mining and Metallurgy courses. There is no Geology in the Intermediate Science course and *candidates can take up Geology as a subject for the B. Sc. Examination without any previous knowledge of it.* All Geology courses include proportionate courses in Mineralogy.

Candidates for the degree of B. Sc. of the Benares Hindu University have to select one of the following six groups of subjects:—

- (a) Physics Chemistry, Mathematics
- (b) Physics, Chemistry, Geology
- (c) Chemistry, Botany, Zoology
- (d) Chemistry, Botany, Geology
- (e) Chemistry, Zoology, Geology.
- (f) Chemistry, Industrial Chemistry, General and Chemical Engineering.

and it is stipulated that no candidate would be permitted to take group (a), (b), or (f) unless he had passed his Intermediate Examination with Physics, Chemistry and Mathematics; and group (c) (d) or (e) unless he had passed his Intermediate Examination with Physics, Chemistry and Biology. Physics and Chemistry form the necessary part of the Intermediate Science course of all modern Universities so that whether a student has passed his Intermediate Science Examination with Mathematics or with Biology, there is a group (b or d) available for him enabling him to take up Geology for his B. Sc. Examination. A candidate may obtain Honours in Geology at the B. Sc. Examination by obtaining at least 60% of the total marks in the Ordinary course in Geology, at least 60% in a more Advanced course in Geology prescribed for the purpose, and at least 45% in the aggregate of the remaining two subjects. If a candidate for the B. Sc. Examination fails in one subject only he would be admitted to a subsequent examination in that subject only, and be declared to have passed the B. Sc. Examination on obtaining at least 40% of the total marks in the subject.

The B. Sc. course is of two years' duration. B.Sc. student taking Geology is required to provide himself with certain instruments and apparatus for practical work; it is probable that he already possesses some of these such as the ordinary set of mathematical instruments, box of water-colours, pen-knife, etc., but even if he possesses none, the total cost of the set does not exceed about Rs. 15. The total cost of the books prescribed for the B. Sc. course in Geology is about Rs. 55 at present. There are several geological excursions during the B. Sc. course in Geology, and every candidate is expected to join them all. The travelling expenses are paid by the University as long as the grant made annually under this head lasts but any further expenses after the grant is exhausted are payable by the students themselves and in any case the messing, charges etc., are to be borne by the students so that every B.Sc. geology student is advised to arrange for a total of at least

Rs. 30 or 40 on account of geological excursions during the whole course.

Candidates for the degree of M. Sc. of the Benares Hindu University have to select any one of the six following subjects at present:—

- (a) Mathematics.
- (b) Physics.
- (c) Chemistry.
- (d) Botany.
- (e) Zoology.
- (f) Geology.

The course is of two years' duration. Although there is no Regulation limiting the choice of subjects, candidates almost always choose for their M. Sc. one of the subjects they had taken up for their B. Sc. *Realising the fact that Geology is taught in a very few colleges in India even up to the B. Sc. standard, a special arrangement has been made at the Benares Hindu University whereby even a B. Sc. (of any Indian University established by Act of the Legislature) who has not studied Geology previously at all can take the M. Sc. degree in Geology of this University after three years' continuous study of the subject at the University instead of two years' as is ordinarily required.* Advantage of this arrangement has already begun to be taken. The idea may look novel but the following will make it clear. Unlike other Science subjects there is no Geology in the Intermediate course at all. The B. Sc. course in Geology is taken *along with two other Science subjects* so that the net time spent on Geology may be said to be one-third of two years. And so if a year is spent exclusively on Geology, the B. Sc. course in Geology can be more than covered. The special arrangement herein referred to consists in giving the M. Sc. student the B. Sc. course in Geology by means of one year's exclusive study of the subject, as preparatory to the regular two years' M. Sc. course in Geology.

A feature of the M. Sc. course in Geology, not shared by M. Sc. courses in Geology given elsewhere in India, is the inclusion of Surveying. A knowledge of Surveying is a valuable help in the understanding of the field relations of rocks and in geological surveying work generally; a knowledge of the methods of finding one's place on a map is often of the greatest importance, and a geologist in India is often required to carry out his own topographical surveying.

Every M Sc. student taking Geology is required to provide himself with certain drawing instruments and other articles of an approved pattern and quality, chiefly for the Surveying course, the total cost of which comes to about Rs. 50 or 60. The total cost of the books prescribed for the M. Sc. course in Geology is about Rs. 175 at present. There would be several geological and surveying excursions during the M. Sc. course in Geology and every candidate is expected to join them all. The travelling expenses are paid by the University as long as the grant made annually under this head lasts but any further expenses after the grant is exhausted are payable by the students themselves and in any case the messing, etc. charges are to be borne by the students so that every M. Sc. Geology student is advised to arrange for a total of at least Rs. 75 on account of geological and surveying excursions during the whole course.

There is a well equipped laboratory for the teaching of the subject and a competent staff of Professors.

THE HINDI DEPARTMENT.

This is one of the most important Departments of the University activities. Hindi studies at the University are divided into two main divisions, viz. (a) Compulsory course and (b) Optional course.

Every student of the Intermediate classes (both Arts and Science) has to choose one of the recognised modern Indian

languages for the compulsory essay paper in which it is obligatory for him to pass.

Similarly the B.A. students are also required to choose one of the modern Indian languages for the compulsory essay paper.

For the first time in the history of Indian Universities Modern Indian languages have been recognised as an optional subject of study in both the Intermediate and the B.A. classes and the first examinations in Hindi as an optional subject in these classes were held in 1924.

Post graduate studies in Hindi have also been inaugurated and Hindi has been recognised as an independent subject of study for the M.A. examination.

The Benares Hindu University while providing opportunities for almost all its alumni to acquire a better acquaintance with the Modern Indian languages, among which Hindi occupies by far the most important and popular position, has also arranged for the higher and scientific study of Hindi. A perusal of the courses of study in this language will convince any casual reader that the scheme of the studies is not inferior in any way to that generally provided for any other important subject.

In addition to the lecturing and teaching work for which the Hindi Department has to make arrangements, the members of the staff have devoted and are devoting any time that they could spare from their College duties to the production of important works in Hindi on subjects with which they have to deal in the higher College classes or those that are attached to them. Students of the post-graduate Hindi classes have also contributed valuable articles to several Magazines. The Hindi Department thus indirectly makes valuable contribution to the enrichment of Hindi Literature.

The further development of this department in various directions is a problem of great importance, and needs im-

mediate attention. Besides additions to the staff a generous provision is needed for publishing important works in Hindi and issuing standard editions of the works of the master minds of Hindi.

OTHER DEPARTMENTS.

A perusal of the courses prescribed for the subjects given above as well as of those in other subjects will give an idea of the instruction given in them.

INSTRUCTIVE STAFF.

[1922-23].

Principal :

A. B. Dhruva M.A., LL.B.

University Professors.

A. B. Dhruva M.A., LL.B. (*Sanskrit*).

Ganesh Prasad M.A., D.Sc. (*Mathematics*).

P. K. Telang M.A., LL.B. (*History*).

N. P. Gandhi M.A., B.Sc., A.R.S.M., A.I.M.M., F.G.S.
(*Geology*).

K. R. Gunjekar B.Sc. (Bom.) B.A. (Cantab) (*Physics*).[†]

S. S. Bhatnagar D.Sc. (*Chemistry*).

R. S. Inamdar B.Ag. (Bom.) B.Sc. (Cantab).

HONORARY :

P. C. Roy Kt., D.Sc., C.I.E. (*Chemistry*).

N. C. Nag M.A., F.I.C. (*Chemistry*).

Nilratan Dhar M.A., D.Sc. (*Chemistry*).

C. V. Raman MA., D.Sc. (*Physics*).

Bertram Keightley M.A. Bar-at-Law (*Philosophy*).

V. G. Kale M.A. (*Economics*).

H. R. Batheja M.A. (*Economics*).

P. K. Telang M.A., LL.B. (*History*).

DEPARTMENT OF RELIGION :

A. B. Dhruva M.A., LL.B.

P. N. Patankar M.A.

Hari Ram Pandeya B.A., LL.B.

DEPARTMENT OF SAMSKRIT :

A. B. Dhruva M.A., LL.B. (Bom.) Head of the Department.

Nilkamal Bhattacharya M.A. (All.).

Batuk Nath Sharma M.A. (B.H.U.), *Sahityopadhyaya*,

Baldeo Upadhyaya M.A.

DEPARTMENT OF ENGLISH :

P. Seshadri M.A. (Mad.) Head of the Department.

Bireshwar Banerji M.A. (Cal.).

Krishnanandan Prasad M.A. (All.) Bar-at-Law.

Jivan Shankar Yajnik M.A., LL.B. (All.).

M. M. Desai M.A.

Shyam Narayan Lal M.A., LL.B. (All.).

DEPARTMENT OF PHILOSOPHY :

Phani Bhushan Adhikari M.A. (Cal.) Head of the Department.

Anukul Chandra Mukerji M.A. (All.)

Indradeva Tewari M.A. (All.).

Ganga Prasad Ganguli M.A. (B. H. U.).

DEPARTMENT OF HISTORY :

P. K. Telang M.A., LL.B. (Bom.) Head of the Department.

Kali Charan Chatterji M.A. (All.).
 Surendranath Bhattacharya M.A. (Cal.).
 Ganga Prasad Mehta M.A. (All.).
 Brindaban Chandra Bhattacharya M.A.
 Yadunath Prasad M.A. (B. H. U.).

DEPARTMENT OF ECONOMICS:

H. L. Chablani M.A. (on leave).
 E. H. Solomon B.A.
 Gurmukh N. Singh M.Sc. (London School of Economics).
 Gyan Chand Varma M.A. (Punjab).

DEPARTMENT OF MATHEMATICS:

Ganesh Prasad M.A., D.Sc. (All.) Head of the Department.
 Syama Charan De M.A. (Cal.).
 Pashupati Prasad M.A., B.Sc. (All.).
 Shukdeo Pande M.Sc. (All.).
 Harendranath Datta M.A. (Cal.).
 Gorakh Prasad M.Sc. (All.).
 Badrinath Prasad M.Sc. (B. H. U.).

DEPARTMENT OF PHYSICS.

K. R. Gunjekar B. Sc. (Bombay) B. A. (Cantab)
 P. K. Dutt M. A. (Cantab).
 Nihal Karan Sethi D. Sc.
 U. A. Asrani M. Sc. (Bombay).
 Nand Kishore Pande B. Sc. (B. H. U.) Demonstrator.
 Chhittarmal Sogani M. Sc. (B. H. U.) Demonstrator.
 Kanhaiyalall Tiwari B. Sc. (B. H. U.) Do.
 Protul Chandra Ghose M. Sc. (B. H. U.) Do.

DEPARTMENT OF CHEMISTRY.

S. S. Bhatnagar D. Sc.

M. B. Rane M. A. (Bombay).

Sanatkumar Basu M. Sc. (Allahabad),

N. N. Godbole M. A., B. Sc. (Bombay) Professor of
Industrial Chemistry.

Phuldeo Sahai Varma M. Sc. (Calcutta).

Dhirendranath Banerji M. Sc. (B. H. U.).

Phanindranath Roy M. Sc. (B. H. U.).

A. T. Mazumdar M. Sc. (B. H. U.)

Lilanand Gupta M. Sc.

DEPARTMENT OF BOTANY.

R. S. Inamdar B. A. (Cantab)—Head of the Department.

Nandkumar Tewari M. Sc. (Allahabad).

Ramkumar Saksena B. Sc. (Allahabad).

Y. Bharadwaja M. Sc.

Bholanath Singh M. Sc.

Shatrughna Prasad M. Sc.

DEPARTMENT OF ZOOLOGY.

Sri Charan Varma M. Sc.

Haru Ram Mehra M. Sc.

Hari Chand Ahuja M. Sc. (B. H. U.)

Chandrabal B. Sc. (Allahabad).

Ramchandra Saksena M. Sc.

DEPARTMENT OF GEOLOGY.

N. P. Gandhi, M. A., B. Sc.

DEPARTMENT OF PERSIAN AND ARABIC.

Mirza Mohammad Husain.

Munshi Mahesh Prasad.

DEPARTMENTS OF MODERN INDIAN LANGUAGES.

Shyam Sundar Das B. A. (Hindi).

Bhagavan Din (Hindi).

Ramchandra Shukla (Hindi).

Mirza Mohammad Husain (Urdu).

Munshi Mahesh Prasad (Urdu).

Harihar Shastri (Bengali).

[1923-24]

Principal :

A. B. Dhruva M. A., LL. B.,

University Professors.

A. B. Dhruva M. A., LL. B., (*Sanskrit*)

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P. K. Telang M. A., LL. B. (*History*)

N. P. Gandhi M. A., B. Sc. A. R. S. M., A. I. M. M.
F. G. S., (*Geology*)

K. K. Gunjkar B. A., B. Sc. (*Physics*)

S. S. Bhatnagar D.Sc. (*Chemistry*.)

R. S. Inamdar B. Ag., (Bom.) (*Botany*.)

H. R. Mehra Ph.D. (*Zoology*.)

HONORARY.

Sir P. C. Roy Kt. C.I.E., D. Sc., Ph. D. (*Chemistry*)

N. C. Nag M. A., F. I. C. (*Chemistry*)

Nilratan Dhar M. A., D. Sc. (*Chemistry*)

C. V. Raman M. A., D. Sc. (*Physics*)

Bertram Keightley M. A., Bar-at-Law,
(*Philosophy*).

V. G. Kale M. A., (*Economics*)

P. K. Telang M. A., LL. B. (*History*)

DEPARTMENT OF RELIGION.

A. B. Dhruva M. A., LL. B.

P. N. Patnakar M. A.,

Hari Ram Pandeya B. A., LL. B.

DEPARTMENT OF SAMSKRIT.

A. B. Dhruva M. A., LL. B. (Bombay) Head of the Department.

Nil Kamal Bhattacharya M. A.

Batuk Nath Sharma M. A., (B. H. U.) *Sahityopadhyaya*

Baldeo Upadhyaya M. A. (B. H. U.)

DEPARTMENT OF ENGLISH.

P. Seshadri M. A. (Mad.) Head of the Department

Bireshwar Banerji M. A. (Calcutta)

Krishnandan Prasad M. A. (All.) Bar-at-Law

Jivan Shankar Yajnik M. A., LL. B. (Allahabad)

M. M. Desai M. A. (Bom.)

Shyam Narayan Lal M.A., LL.B. (All.)

DEPARTMENT OF PHILOSOPHY

Phani Bhushan Adhikari M.A.—Head of the Department

Anukul Chandra Mukerji M.A. (All.)

Indradev Tewari M.A. (All.)

Ganga Prasad Ganguli M.A. (B.H.U.)

Bhikhanlal Atreya M.A.

DEPARTMENT OF HISTORY.

P.K. Telang M.A., LL.B. (Bom.) Head of the Department,

Kali Charan Chatterji M.A. (All.)

Surendranath Bhattacharya M.A. (Cal.)

Ganga Prasad Mehta M.A. (All.)

Brindaban Chandra Bhattacharya M.A.

Yadunath Prasad M.A., (B.H.U.)

DEPARTMENT OF ECONOMICS

H.L. Chabiani M.A.

Gurmukh N. Singh M.Sc. (London School of Economics)

Gyan Chand Verma M.A. (Punjab)

N. J. Shah Ph.D. (London)

DEPARTMENT OF MATHEMATICS

Ganesh Prasad M.A., D.Sc. (All.)

Syama Charan Dey M.A.

Pashupati Prasad M.A., B.Sc. (All.)

Shukdeo Pande M.Sc.

Harendranath Datta M.A. (Cal.)

Gorakh Prasad M.Sc. (All.)

Badrinath Prasad M.Sc. (B.H.U.)

DEPARTMENT OF PHYSICS

K. R. Gunjekar B.Sc, (Bom.) B.A. (Cantab)

P.K. Dutt M.A. (Cantab)

Nihal Karan Sethi M.Sc. (All.) D.Sc. (Cal.)

U. A. Asrani M.Sc. (Bom.)

Nand Kishore Pande B.Sc. (All.)

Chhittarmal Sogani M.Sc. (B.H.U.)

Kanhaiyalal Tewari M.Sc. (B.H.U.)

Protal Chandra Ghose M.Sc.

Baidyanath Mozumdar M.Sc.

DEPARTMENT OF CHEMISTRY

S.S. Bhatnagar D.Sc.

M.B. Rane M.A.

Sanat Kumar Basu M.Sc. (All)

N.N. Godbole M.A., B.Sc. (Bom.) Professor of Industrial Chemistry.

M. M. Koppikar M.Sc.

Phuldeo Sahai Varma M.Sc. (Cal.)

A.T. Mazumdar M.Sc. (B.H.U.)

Dhirendranath Banerji M.Sc. (B.H.U.)

Krishna Chandra Banerji M.Sc.

Phanindra Nath Roy M.Sc. (B.H.U.)

DEPARTMENT OF BOTANY :

R. S. Inamdar B.A. (Cantab) B.Ag.

Nand Kumar Tewari M.Sc.

Ram Kumar Saksena B.Sc. (All.)

Yajnavalkya Bharadwaja M.Sc.

Khushi Ram Mehta M.Sc.

Bholanath Singh M.Sc.

Shatrughna Prasad M.Sc.

DEPARTMENT OF ZOOLOGY :

Sricharan Varma M.Sc.

Haru Ram Mehra M.Sc.

Chandrabal B.Sc.

Ram Chandra Saksena M.Sc.

DEPARTMENT OF GEOLOGY :

N. P. Gandhi M.A., B.Sc.

DEPARTMENT OF PERSIAN AND ARABIC:

Mirza Mohammad Husain.

Mahesh Prasad M.F.

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Bhagavan Din (*Hindi*).

Ram Chandra Shukla (*Hindi*).

Ayodhya Singh Upadhyaya (*Hindi*).

Munshi Mahesh Prasad (*Urdu*).

Harihar Shastri (*Bengali*).

1924-25

Principal:

A. B. Dhruva, M.A., LL.B., I.E.S., (Retired).

University Professors:

A. B. Dhruva, M.A., LL.B. (Bom.), University Professor
of Samskrit.

P. K. Telang, M.A., LL.B. Honorary University Professor
of History.

R. S. Inamdar, B.A., (Cantab), University Professor of
Botany.

K. K. Mathur, B.Sc. (London), A.R.S.M., University
Professor of Geology.

Haru Ram Mehra, M.Sc., Ph.D. (Cantab), University
Professor of Zoology.

P. C. Roy, Kt., D.Sc., C.I.E., Honorary University Pro-
fessor of Chemistry.

- Nil Ratan Dhar, M.A., D.Sc., Honorary University Professor of Physical Chemistry.
- C. Venkat Raman, M.A., D.Sc. (Cal.), Honorary University Professor of Physics.
- N. C. Nag, M.A., F.I.C., Honorary University Professor of Chemistry.
- V. G. Kale, M.A. (Bom.), Honorary University Professor of Economics.
- Bertram Keightley, M.A. (Cantab), Bar-at-Law, Honorary University Professor of Philosophy.
- S. S. Bhatnagar, M.Sc. (Punjab), D.Sc. (London), Honorary University Professor of Chemistry.

Teaching Staff:

DEPARTMENT OF SAMSKRIT :

- A. B. Dhruva, M.A., LL.B. (Bom.), Head of the Department.
- Nil Ramal Bhattacharya, M.A. (All.)
- Batuk Nath Sarma, M.A. (B. H. U.), Sahityopadhyaya.
- Baldeo Upadhyaya, M.A. (B. H. U.)

DEPARTMENT OF ENGLISH :

- P. Seshadri, M.A. (Mad.), Head of the Department.
- Krishna Nandan Prasad, M.A. (All.), Bar-at-Law.
- Jivan Shankar Yajnik, M.A., LL.B. (All.)
- Shyam Narayan Lal, M.A., LL.B. (All.)
- M. M. Desai, M.A. (Bom.)
- Brijmohan Lal Sahni, M.A. (B. H. U.)

DEPARTMENT OF PHILOSOPHY :

- Phani Bhusan Adhikari, M.A. (Calcutta), Head of the Department.

Sishir Kumar Maitra, Ph.D. (Cal.)

Indradeva Tewari, M.A. (All.)

Bhikhan Lal Atreya, M.A. (B. H, U.)

DEPARTMENT OF HISTORY:

P. K. Telang, M.A., LL.B.. Head of the Department.

A. S. Altekar, M.A., LL.B. (Bom.), Asst. Professor of
Ancient Indian History and Culture.

Surendra Nath Bhattacharya, M.A. (All.)

Ganga Prasad Mehta, M.A. (All.)

Yadunath Prasad, M.A. (B. H, U.)

Kedar Nath Bhattacharya, M.A. (All.)

DEPARTMENT OF ECONOMICS:

Gurmukh N. Singh, M.Sc. (Lond.), Head of the Department.

N. J. Shah, Ph. D. (London), Sir Ratan Tata Professor
of Indian Economics.

Kali Charan Chatterji, M.A. (Cal.)

Gyan Chand Varma, M.A. (Punj.)

DEPARTMENT OF MATHEMATICS:

Syama Charan De, M.A. (Cal.)

Gorakh Prasad, M.Sc. (B.H.U.), Ph. D. (Edinburgh).

D.N. Sen, B.A. (Cantab.)

Pashupati Prasad, M.A. B.Sc. (All.)

Shukdeva Pande, M.Sc. (All.)

Badri Nath Prasad. M. Sc.

DEPARTMENT OF PHYSICS:

P.K. Dutt, M.A (Cantab). Head of the Department.

Nihal Karan Sethi, M. Sc. (All.), D.Sc. (Cal.)

U.A. Asrani, M.Sc. (Bom.)
 Chittarmal Sogani, M.Sc. (B.H.U.)
 Nand Kishore Pande, B.Sc. (All.)—Demonstrator.
 Protul Chandra Ghose, M.Sc. (B.H.U.) Do.
 Kanhaiya Lal Tiwari, M.Sc. (B.H.U.) Do.

DEPARTMENT OF CHEMISTRY:

S. S. Bhatnagar, D.Sc.
 M.B. Fane, M.A. (Bom.), Head of the Department.
 Sanat Kumar Basu, M.Sc. (All.), Ph. D. (Berlin.)
 Phuldeo Sahai Varma, M.Sc. (Cal.)
 Dharendra Nath Banerji, M.Sc. (B.H.U.)
 Phanindra Nath Roy, M.Sc. (B.H.U.)
 A.T. Mazumdar, M.Sc. (B.H.U.)—Demonstrator,
 Krishna Chandra Banerjee, M. Sc. (B.H.U.) Do.
 Tikam Singh Sharma, M. Sc.

DEPARTMENT OF INDUSTRIAL CHEMISTRY:

N.N. Godbole, B. Sc., M.A. (Bom.)—(on leave).
 Dogar Singh, F.C.S. (London) etc., (Ceramics expert.)
 Sheo Prasad, M. Sc. (B.H.U.)—Demonstrator.

DEPARTMENT OF BOTANY:

R.S. Inamdar, B.A. (Cantab),
 Nand Kumar Tiwari, M.Sc. (All.)
 Yajnavalkya Bharadwaj, M.Sc. (Punjab).
 Khushi Ram Mehta, M.Sc. (Punjab).
 Bholanath Singh, M.Sc. (B.H.U.),—Demonstrator.
 Tara Dat Pande, M.Sc. (B.H.U.) Do.

DEPARTMENT OF ZOOLOGY:

Haru Ram Mehra, M.Sc., (Punj.), Ph. D, (Cantab.).
 Head of the Department.

Chandrabal, M.Sc. (B.H.U.)

Kedarnath Gupta, M.Sc. (All.)

Ram Chandra Saksena, M.Sc. (B.H.U.)—Demonstrator.

DEPARTMENT OF GEOLOGY:

K K. Mathur, B.Sc. (London), A.R.S.M.

H.L. Chhibber M.Sc.

Niranjan Lal Sharma, M.Sc. (B.H.U.)—Demonstrator.

DEPARTMENTS OF PERSIAN AND ARABIC:

Mirza Mohammed Husain.

Mahesh Prasad, Maulvi Fazil, (Hons. in Arabic)
(Punjab).

DEPARTMENT OF HINDI:

Shyam Sundar Das, B.A. (All.), Professor of Hindi and
Head of Department.

Ayodhya Singh Upadhyaya (Hindi)

Bhagavan Din.

Ram Chandra Shukla.

DEPARTMENT OF URDU, BENGALI AND MARATHI:

Mirza Mohammad Husain, (Urdu.)

Mahesh Prasad, (Urdu.)

Harihar Shastri, (Bengali.)

P.N. Patankar, M.A. (Marathi.)

A.B. Dhruva, M.A., LL.B. (Gujrati.)

INSTRUCTORS IN HINDU RELIGION:

A.B. Dhruva, M.A., LL.B. (Bom.), I.E.S. (Honorary).

P.N. Patankar, M.A. (Bom.)

Hari Ram Pande, B.A., LL.B. (All.)

Harihar Shastri,

INSTRUCTORS IN ATHLETICS:

Rajbali Singh, Athletics Master.

Anantram Guru Godbole, Drill Master.

Ganesh Sastri Patwardhan, Malkham Master,

[1925-26.]

Principal.

A. B. DHURVA, M. A., L L. B., I. E. S. (Retired).

University Professors.

A. B. Dhruva, M. A., L L. B., (Bomb.) University Professor of Samskrit.

R. S. Inamdar, B. A., (Cantab.), University Professor of Botany.

K. K. Mathur, B. Sc., (Lond.), A. R. S. M., University Professor of Geology.

Haru Ram Mehra, M. Sc., Ph. D., (Cantab.), University Professor of Zoology.

P. C. Roy, Kt., D. Sc., C. I. E., Honorary University Professor of Chemistry.

Nil Ratan Dhar, M. A., D. Sc., Honorary University Professor of Physical Chemistry.

C. Venkat Raman, M. A., D. Sc., (Cal.) Honorary University Professor of Physics.

N. C. Nag, M. A., F. I. C., Honorary University Professor of Chemistry.

V. G. Kale, M. A., (Bomb.), Honorary University Professor of Economics.

Bertram Keightley, M. A., (Cantab.), Bar-at-law, Honorary University Professor of Philosophy.

S. S. Bhatnagar, M. Sc., (Punjab) D. Sc. (London), Honorary University Professor of Chemistry.

DEPARTMENT OF SAMSKRIT :

A. B. Dhruva, M. A., L L. B., (Bomb.), Head of the Department.

Nil Kamal Bhattacharya, M. A., (All.)

Batuk Nath Sharma, M.A., (B.H.U.) Shahityopadhyaya,

Baldeo Upadhyaya, M. A., (B. H. U.).

DEPARTMENT OF ENGLISH :

P. Seshadri, M. A., (Mad.), Head of the Department.

Krishna Nandan Prasad, M. A., (All.) Bar-at-Law.

Jivan Shankar Yajnik, M. A., L L. B., (All.)

Shyam Narayan Lal, M. A., L.L. B., (All.)

M. M. Desai, M. A., (Bom.)

Brijmohan Lal Sahni, M. A., (B. H. U.)

DEPARTMENT OF PHILOSOPHY :

Phani Bhushan Adhikari, M. A., (Calcutta), Head of the Department.

Sishir Kumar Maitra, Ph. D., (Cal.)

Indradeva Tiwari, M. A., (All.)

Bikhan Lal Atreya, M. A., (B. H. U.)

DEPARTMENT OF HISTORY :

A. B. Dhruva, M. A., L L. B., Head of the Department.

A. S. Aitkar, M. A., LL. B., (Bomb.), Asstt. Professor of Ancient Indian History and Culture.

Surendra Nath Bhattacharya, M. A., (Cal.)

Ganga Prasad Mehta, M. A., (All.)

Yadunath Prasad M. A., (B.H.U.)

Kedar Nath Bhattacharya, M. A., (All.)

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Kali Charan Chatterji, M. A., (Cal.)

Gyan Chand Varma, M. A. (Punj.)

DEPARTMENT OF MATHEMATICS:

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D. N. Sen B. A. (Cantab)

Pashupati Prasad, M. A., B. Sc. (All.)

Shukdeva Pande, M. Sc. (All.)

DEPARTMENT OF PHYSICS:

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U. A. Asrani, M. Sc. (Bom.)

Chittarmal Sogani, M. Sc. (B. H. U.)

Nand Kishore Pande, B. Sc. (All.)—Demonstrator.

Protul Chandra Ghose, M. Sc. (B. H. U.) Do.

Kanhaiya Lal Tiwari, M. Sc. (B. H. U.) Do.

DEPARTMENT OF CHEMISTRY:

M. B. Rane, M. A. (Bom.) Head of the Department.

Sanat Kumar Basu, M. Sc. (All.) Ph. D. (Berlin)

Phuldeo Sahai Varma, M. Sc. (Cal.)

Dhirendra Nath Banerji, M. Sc. (B. H. U.)

Phanindra Nath Roy, M. Sc. (B. H. U.)

A. T. Mazumdar, M. Sc. (B. H. U.)—Demonstrator.

Krishna Chandra Banerjee, M. Sc. (B. H. U.)—Do.

DEPARTMENT OF INDUSTRIAL CHEMISTRY:

N. N. Godbole, B. Sc., M. A. (Bom.) (on leave)

Dogar Singh, F. C. S. (London) etc., (Cermics expert.)

Sheo Prasad, M. Sc. (B. H. U.) Demonstrator.

DEPARTMENT OF BOTANY:

R. S. Inamdar, B. A. (Cantab) Head of the Department.

Nand Kumar Tiwari, M. Sc. (All.)

Yajnavalkya Bharadwaja, M. Sc. (Punjab.)

Khushi Ram Mehta, M. Sc. (Panjab)

Bholanath Singh, M. Sc. (B. H. U.) Demonstrator.

Tara Dat Pande M. Sc. (B. H. U.) Do.

DEPARTMENT OF ZOOLOGY:

Haru Ram Mehra, M. Sc. (Punjab) Ph. D. (Cantab.)
Head of the Department.

Chandrabal, M. Sc. (B. H. U.)

Kedarnath Gupta M. Sc. (All.)

Ram Chandra Saksena, M. Sc. (B.H.U.)—Demonstrator.

DEPARTMENT OF GEOLOGY:

K. K. Mathur, B. Sc. (London) A. R. S. M.

Niranjan Lal Sharma M, Sc. (B. H. U.)—Demonstrator.

DEPARTMENTS OF PERSIAN AND ARABIC:

Mirza Mohanmed Husain.

Mahesh Prasad, Maulvi Fazil, (Hons.) in Arabic
(Punjab).

DEPARTMENT OF HINDI;

Shyam Sundar Das, B.A. (All.) Professor of Hindi and
Head of the Department.

Ayodhya Singh Upadhyaya.

Bhagavan Din.

Ram Chandra Shukla.

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P. N. Patankar, M. A, (Marathi.)

A. B. Dhruva, M. A. LL. B. (Gujrati.)

INSTRUCTORS IN HINDU RELIGION:

A. B. Dhruva, M. A. LL. B., (Bom.), I.E.S. (Honorary)

P. N. Patankar, M. A., (Bomb).

Hari Ram Pande, B. A., L L. B. (All.)

Harihar Shastri.

INSTRUCTORS IN ATHLETICS:

Rajbali Singh, Athletics Master.

Anantram Guru Godbole, Drill Master.

Ganesh Shastri Patwardhan, Malkham Master.

*THE COLLEGES OF ORIENTAL LEARNING AND
THEOLOGY AND THE DEPARTMENT OF
AYURVEDA.*

Clause (3) of Section 3 of the Act XVI of 1915 lays down that the University shall be "deemed to have been incorporated for the purposes among others, of making provi-

sion for imparting education, literary, artistic and scientific as well as agricultural, technical, commercial, and professional, of furthering the prosecution of original research and of giving instruction in Hindu theology and religion, and of promoting the study of literature, art, philosophy, history, medicine and science and of imparting physical and moral training. It is with a view to fulfil two of the main purposes of the University i.e. the imparting of instruction in oriental subjects and in Hindu theology and religion, that the Faculty of Oriental Learning (which under Regulation 1 of Chapter XXXVIII of the Regulations of the University is to consider and propose such measures as it may, from time to time, deem necessary for (a) the promotion of the study of and research in the languages, learning and sciences of Ancient India and for the diffusion and preservation of important works therein (b) the enrichment of the modern languages of India, and for the promotion of their study and (c) the promotion of the study of and research in such other languages of the East as the Senate may from time to time recommend) and the Faculty of Theology (which under Regulation 1 of Chapter XXXIX of the Regulations is to be in-charge of the Religious instruction of Hindu students of the University and shall organise studies in religion and examinations therein) have been established in the University and the Colleges of Oriental Learning and Theology prepare students for the examinations in these two Faculties. Both the Colleges were started in July 1918 in the old buildings of the Central Hindu College at *Kamacha*, Benares and have now been removed to the new University buildings at Nagwa.

The College of Oriental Learning undertakes to provide, instruction in the following subjects : viz. Veda Sruta, Dharmasastra and Agama, Purvamimamsa, Vedanta, Sankhya Yoga, Nyaya Vaisesika, Vyakarana, Kavya Sahitya, Jyautisa., Ayurveda, Pali and Prakrita, Purana and Itihasa, Modern Indian languages, Chemistry, Physics, Biology, English, Paschatya Darsana, Ganita, Itihasa, Arthasastra and Nitisastra

etc. English is taught as an optional subject at the Pravesika, Madhyama and Sastri examinations. The other subjects are taught through the medium of Hindi or Samskrit. Scientific subjects such as Physics, Biology, Chemistry Anatomy and Physiology have been introduced in the courses and are studied either along with the subjects of Ayurveda or as independent subjects.

The Department of Ayurveda which existed as a branch of the College of Oriental Learning has now been made an independent College and schemes are under consideration for the institution of separate degrees in the said subject. An Aushadhalaya has already been built and a botanical garden has been growing for the purposes of demonstration, study and research. Not only would the preparation of medicines be taught to the students of Ayurveda but genuine medical preparations would be supplied at moderate prices to the public. The magnificent Building of the Hospital known as the Sir Sundarlal Hospital with accommodation for 100 patients is nearing completion. It is intended that half of the patients should be treated by the western system of medicine and half by the Ayurvedic system. It is expected that scientific investigations and researches in the field of Ayurveda, such as would prove of great value to mankind would be carried on in this department.

Jyautisha is another important subject introduced in the courses of the Faculty of Oriental Learning. While Jyautisha (Astrology) as practised by the Pandits is taught in the old style, it is intended to combine with it the modern science of Astronomy for which so much has been done in the west in modern times. The great need of the department in this connection is that of an observatory fully equipped with modern Astronomical instruments.

The College of Theology is a separate college by itself providing instruction for students in Hindu Theology and and religion, the following being its main departments:—

Karma Kanda, Veda Sruta, Purana and Itihasa, Dharma sastra and Agama, Purvamimamsa, Vedanta, Nyayavaisesika, Sankhya Yoga, Jyautisa etc. Some of the subjects are common to the Faculties of Oriental Learning and Theology and are taught by the same Professors. The college provides instruction in all of the subjects allowed by the Regulations and prepares students for the examinations of the Faculty of Theology. The Faculty of Theology not only makes arrangements for the instruction of its own students but also controls the religious instruction of the Hindu students in all the colleges under the University. The Faculty has recently instituted alternative courses for the instruction and training of Dharmopadeshakas (religious teachers) and classes are being held in the College of Theology in the said courses under competent teachers.

The students of the colleges reside in the Hostels (except with the permission of the Pro-Vice-Chancellor). Instruction is given free and a sufficiently large number of stipends have been provided for the students and food and clothing are also provided for those who are too poor, from funds, if any, endowed by charitable persons. The students take part in games and various other activities of the University.

INSTRUCTIVE STAFF.

(a) COLLEGE OF ORIENTAL LEARNING.

[1922-23].

Principal:

Chandradhara Guleri, B.A.

Professors:

Ambadasa Sastri (*Nyaya*).

Jayadeva Misra, Mahamahopadhyaya (*Vyakarana*).

Kali Prasada Misra (*Vyakarana*).

Ambika Prasada (*Vyakarana*).
 Chandradhara Sharma Pandeya (*Sahitya*).
 Vamadeva Misra (*Sahitya*).
 Ramayatna Ojha (*Jyautisa*).
 Baldeva Pathaka (*Jyautisa*).
 A. Chinnaswami Sastri (*Mimamsa*).
 Radha Prasada Sastri (*Dharmasastra*).
 Pran Nath Vidyalamkara (*Economics*).
 Achyutananda Tripathi (*Vedanta*).
 Annadacharana Tarkachudamani, Mahamahopadhyaya
 (*Samkhya*).
 Dharmadasa Kaviraja (*Ayurveda*).
 Purusottama Upadhyaya (*Ayurveda*).
 Nisikanta Vaidyasastri (*Ayurveda*).

(b) COLLEGE OF THEOLOGE.

[1922-23].

Principal:

Prabhudatta Sastri.

*Professors:*Vidyadhara Gouda (*Veda*)(and other Professors as in the College of
Oriental Learning).

[1923-24].

Principal:

Pramathanatha Tarkabhusana, Mahamahopadhyaya.

Professors:

Same as in 1922-23 with the following changes:—

- I. Professor Pran Nath on study leave.
- II. Pandit Haran Chandra in place of Pandit Achyutananda Tripathi.

[1924-25].

Same as in 1923-24 with the following changes:—

- I. Pandit Balakrishna Misra in place of Pandit Haran Chandra.
- II. Pandit Visvanatha Sastri Bharadwaja M.A. appointed Professor of English and Hindi.

[1925-26].

Same as in 1924-25.

THE TEACHERS' TRAINING COLLEGE.

This College has been established primarily for providing Professional instruction for the work of the teacher, and with a view to meet the increasing demand for trained teachers in the country and specially the native states. Incidentally it serves to propagate the ideas of the Hindu University through its alumni. It is the first college of its kind established by private agency in this country, differing from the State Training Colleges in this that whereas the latter train teachers for their respective provinces, this College trains teachers for the whole of India. Indeed, its universal popularity will be evident from the fact that the Education Departments of some of the premier Indian States send their teachers for training on deputation, and applications continue to pour in from all parts of the country.

The College is accommodated in the old magnificent buildings of the Central Hindu College at Kamacha and possesses a big Science Laboratory of its own. Its Library in common

with that of the University School, which is its chief Practising School, is located in the Telang Memorial Library, one of the finest buildings designed for this purpose. It has a separate hostel, but shares in common with the Central Hindu School its vast playgrounds.

The course consists of a year and includes in its syllabus the subjects of School Management and Hygiene, the Principles, History and Methods of Education, both European and Indian, special attention being paid as to how far the ancient educational principles and practices could be brought in line with the modern tendencies in education. In addition to physical training there is a special Boy-Scout Troop affiliated to the Baden-Powell Boy-Scouts' Association.

Generally speaking, class lecture work in Theory and Practical Teaching work at Practising School receive half and half time. Work is commenced every day after a short prayer and there is provision in the Time Table for the teaching of Religion. Practice of teaching is given in English, Mathematics, History, Geography, Physics and Chemistry, and occasionally in Samskrit.

Provision has so far been made for a staff consisting of a Principal with four Professors. The Council of the University contemplates the appointment of a first-rate educationist in the country as Principal. No tuition fees are charged in this College. The Government of the United Provinces have been pleased to grant 20 stipends of the value of Rs. 30/- each per month for 10 months in the year to students who are residents of the United Provinces. The College has in its existence of only a few years, trained a sufficiently large number of teachers from various provinces and Indian States and representing all castes and creeds. Some of them are, as far as has been known, occupying positions of heads of institutions, a few are Vice-Principals and Teachers in Intermediate Colleges; but the bulk of them are serving as Assistant Masters in U. P. From the reports received about

the work of the products of the College, it appears that it is serving a very useful purpose in the country.

To keep the old students in constant touch with the College, there is a Training College Association which meets frequently to discuss educational topics and where lectures in their own subjects as well as on general topics, both religious and secular, are delivered occasionally by the University Professors and other distinguished speakers with a view to supply general training to the teachers. Every year there is an Annual Gathering where the ex-students meet the new students and the teachers of the College and institutions connected with the College.

The further development of this Institution has to be postponed for want of adequate funds. The College staff is already overworked and needs to be considerably strengthened before any special classes in the teaching of various subjects of the school curriculum are started. In addition to the equipment already provided, more is required, especially for History, Geography, Manual Training and Nature Study. The Library wants more books, and the funds available for this department cannot keep pace with the increasing number of books that are coming out every year on the growing subject of Education. A Demonstration Laboratory such as is contemplated by the Calcutta University Commission, fitted with an upto-date Psychological Laboratory, should complete the work that is expected of a College of this kind in the most advanced countries of the world.

In addition to the above, a department may, with advantage, be established for the training of Pandits to serve as Samskrit teachers in Anglo-Vernacular Schools and in Samskrit Pathshalas. There may also be some provision for instruction in Vernacular Literature so that the teachers may easily pass the various examinations in Vernaculars, held by the Educational Department or which may be held by the University itself, and may really fulfil the object of making Vernacular as medium of instruction in Secondary Education.

INSTRUCTIVE STAFF

[1922-23]

Principal (Acting):

Chandra Mauli Sakul M. A., L. T.

Professors:

H. B. Malkani M. A.

Bhuban Mohan Ghosal M.Sc., L. T.

P. Subramaniam M. A., L. T.

[1923-24
1924-25
1925-26]*(Same as in 1922-23)*

THE ENGINEERING COLLEGE.

Provision for imparting instruction and technical training in the various branches of Engineering was one of the objects which the promoters of the Hindu University had in view from the time the idea of the University was conceived. The necessity for a first grade Mechanical and Electrical Engineering College in India was obvious to all who realised the importance of technical training and industrial research. It was emphasised by the recommendations of the Indian Industrial Commission and by others who were watching the trend of things politically and industrially. The economic instability of the labouring classes of India, the deplorably backward condition of the industries and enormous possibilities for development coupled with an earnest desire in many quarters to start factories and workshops often on a large scale made it imperative that the College should be opened as early as possible. Hence the workshops were opened in January, 1919, on the occasion of the visit of His Highness

the Maharaja of Mysore, the Chancellor of the University and students were admitted in to the Artisan Classes in February and to the Diploma and Degree Courses in August of the same year. The College has been established to meet a great national requirement in a way in which no ordinary technical college can. It is the intention of the authorities that it shall provide not only efficient training in all the branches of Engineering which are of importance in India but also provide special facilities for Industrial research and investigation. The scope for development is wide and comprehensive. The machinery and plant that have already been introduced will make it easy to establish other departments connected with those industries which owe their modern development to the Science of Engineering.

The College is equipped to give a complete training in Mechanical and Electrical Engineering, including the Workshop training which in countries possessing many Engineering Workshops is usually not attempted in the Colleges. There are two carpenter shops. First year students are introduced to practical work in this department.

There is a Foundry where melted iron and brass is formed in Earthen Moulds. This is a process familiar to Indian craftsmen from time immemorial and need not be enlarged upon further than to say that the methods though essentially those that were in all probability first adopted in the East, have been greatly improved where possible on scientific lines.

Both the foregoing Workshops may be said to be self-supporting, though up to the present they have been very fully occupied in work for the University itself.

In the Power House a representative collection of power generators is installed. One of the smallest of these supplies light and power to the whole University.

The Drawing Office is the department in which students apply their theoretical instruction to the design and drawing of the machines which they learn to make in the Workshops.

The laboratories are used for training in research.

The equipment thus hastily and cursorily described is nevertheless the most complete and modern to be found in any Indian College. It has been installed and its use is directed by a staff about one tenth in number of that which would be allotted in a Western College.

Courses of Instruction have been arranged at the College so as to give every facility to those who possess ability and promise as practical men, and to train and place each individual in that class which will afford the best scope for his special abilities. The Workshops and Office are run on commercial lines as far as is consistent with the efficient training of the students and apprentices. Each Shop is organised and managed as a manufacturing establishment, employing skilled workmen and journeymen, who, together with the students and apprentices, are employed on the various orders to be executed. Special arrangements are made whereby students or apprentices may develop the maximum manipulative skill of which they are capable, and at the same time become acquainted with the materials, tools and resources at their disposal with a minimum waste of time. The foundation of all training in the Mechanical and Electrical Engineering Courses is in the Workshops, and only those students who show a particular aptitude for practical work, a love for strenuous manual labour, and a reverence for high manipulative skill, are encouraged to continue as students or apprentices in the University Workshops. The Workshop Courses are co-ordinated with theoretical and Scientific courses designed to provide just that training which is needed in order that the practical man may grasp the principles underlying the processes employed. These courses are also arranged to suit, as far as possible, not only the mental capacity but also the aptitude of the students. Hence there are a number of parallel courses.

There are Three Main Divisions or Courses of Training, each with its branches or sub-divisions.

The Main Courses are :—

- (1) The Artisan Courses.
- (2) The Diploma Courses.
- (3) The Degree Courses.

The Artisan Courses are intended mainly for the sons of mistries and of poor parents. The Minimum age of admission is 13 years and the maximum age 17 years. A knowledge of English is not essential, but boys who are admitted to this course must be healthy and intelligent. They are on probation for the first twelve months and at the end of that time, if satisfactory, they are confirmed and given a small stipend. Special classes are provided in which they receive, in the vernacular, such instruction as will enable them to follow their trade with advantage. More advanced classes are provided for those who have the ability to follow them. The minimum length of the course is five years.

The Diploma Courses are intended to provide a sound practical training coupled with a more advanced theoretical and scientific training than can be given to the ordinary Artisan student.

The Diploma course for the Licentiate covers in all four years, the first two years being devoted to the Preliminary course in Engineering and the third and fourth years to specialization as a University student in one of the branches of Engineering. The Diploma of Associate in Engineering is awarded to the Licentiate who has been engaged in responsible Engineering work for a period of not less than two years after he has gained his Licentiate.

Candidates for admission to the Diploma Courses must have passed the Matriculation or any other equivalent examination.

The Degree Courses are intended to provide a sound practical training coupled with a more advanced theoretical and scientific training than can be given to the Diploma

students. Students who take the Degree Course must at least have passed the Intermediate Examination, with Mathematics, Physics and Chemistry, of a University recognised by the Government.

The Course is an advanced one. The theoretical standard is not less than that of the London University, and the practical standard is such that a student who completes the course will be not only familiar with modern workshop processes but also himself a workman of no mean ability.

The degree of B. Sc. in Engineering is awarded to those students who, after passing the final examination for B. Sc. (Eng. Part II) have presented a satisfactory thesis or project and completed at least one year of approved practical training.

The Main building of the Engineering College will be erected after the completion of the workshops, and will contain special Research Laboratories, large Drawing Halls Lecture-Theatres and Class Rooms, and an Engineering Museum.

The students of the college reside in Hostels unless allowed by the Pro-Vice-Chancellor to reside with parents or guardians. They take part in all the activities of the University, and have a well organised Athletic Department for the management of their games.

THE DEPARTMENT OF MINING AND METALLURGY.

The Department of Geology, Mining and Metallurgy owes its beginning in the Benares Hindu University to the munificence of His Highness the Maharaja of Jodhpur who has been pleased to give to the University, the handsome donation of Rs. 2,00,000 non-recurring and Rs. 24,000 per annum recurring in perpetuity, the latter being ear-marked for maintaining a chair to be called the Jodhpur-Hardinge Chair

of Technology to express the Jodhpur Darbar's appreciation of the generous support which Lord Hardinge gave as Viceroy of India to the scheme for establishing the University.

It was thought that the donation mentioned above could best be utilized in establishing a department of the connected subjects of Geology, Mining and Metallurgy at the University, open to students from all parts of India, for the following principal reasons :—

- (1) Geology as a cultural subject has not hitherto received in India the attention it deserves, there being only a few colleges in the whole country where it is taught, although the country is geologically interesting and the subject presents no extraordinary difficulty regarding either teaching or equipment.
- (2) This University has been largely built up with the help of the Native States of India. The Native States comprise an area of 6,75,267 square miles (38% of the total area of the Indian Empire) much of which has been lying unprospected or only cursorily prospected. Most of the States are situated in geologically favourable country and deserve a systematic search for economic minerals. It would be fitting if this University made a speciality of the study of the Geology of the Native States of India and prepared an army of men suitable for mineral survey and mineral development work in the various States. A demand for such men already exists.
- (3) There is not a single college in the whole country where mining education of an advanced character is provided although the mineral resources of the country are vast and varied and the annual mineral production now exceeds Rs. 32, 00,00,000 in value, the mineral industry being mainly dependent upon

the foreign-trained expert. The Indian Universities Commission, the Indian Industrial Commission and other Committees specially appointed by the Government to consider the question of mining education in India have all recommended the establishment of such a college in India.

- (4) A remarkable development has taken place in the metallurgical industry of India in recent years, especially in the manufacture of iron and steel, and further important developments are within sight, so that there should be a number of metallurgical careers open in the country for suitably trained men every year. Recent discoveries have brought to light the fact that there are enormous deposits of high-grade iron ores in India in sufficient proximity to the coal-fields, and in sufficient quantity to feed half-a-dozen iron and steel works, each as large as the Tata Iron and Steel Works, for centuries, and exploitation of these deposits has just begun. But coal of suitable quality for use in iron smelting is not available in a corresponding quantity in India although the deposits of less suitable or unsuitable coals are vast, and a problem of incalculable value which a well-equipped University Department of Metallurgy can tackle in co-operation with the coal producers and the coal users of India is how to utilize these vast but at-present-unsuitable coal deposits for iron-smelting, and how best to conserve the known limited quantities of suitable grade coal for metallurgical purposes.
- (5) Benares is not an unsuitable centre for the establishment of a Department of Geology, Mining and Metallurgy. There are interesting geological excursions available on the south-west, south, and south-east within easy reach. As much as 47% of the total mineral production of India and Burma

(worth, at present, about thirty-two crores of rupees annually) comes from a semi-circle of 350 miles radius drawn south of Benares with Benares as centre. (If we exclude Burma, this figure becomes 70%, and if we further exclude the gold raised in the Mysore State, the figure becomes as high as 82%.) This semi-circle is at present responsible for about 90% of the coal, about 95% of the iron ore, about 80% of the mica, and 100% of the copper ore, raised annually in India, and besides includes the enormous newly discovered iron-fields referred to above, all the existing and projected iron and steel works in the country except the newly started charcoal-iron works in Mysore State, and the only copper-smelting works in the country. Indeed if we look at the mineral production map of India, a line drawn southwards from Benares to meet the sea appears to be the most central for the location of an all-India Mining and Metallurgical School. It must be admitted that there are several valuable advantages in a mining school being located actually on a mining field and a metallurgical school at a metallurgical works, but it would appear from the fact that most of even the renowned mining and metallurgical schools of the world located on mining fields and at metallurgical works have been surpassed by those established in educational capitals, that the balance of advantages rests with the latter. This Department would be working in close association with the large and well-established Mechanical and Electrical Engineering College of this University and in good contact with the well-advanced Pure Science Departments of the University and is certain to benefit greatly by them.

To establish a good modern department of Geology, Mining and Metallurgy in connection with a University in

India, suitable for the present needs of the country and capable of turning out about 20 finished graduates every year, would cost about Rs. 5,00,000 non-recurring, including buildings, furniture, equipment and all, and about Rs. 50,000 per annum, recurring. It was thought that if the University waited to make a beginning till it secured the above-mentioned funds, it would perhaps never make a beginning at all, and it was resolved that it should proceed with what funds, buildings, equipment, etc., it has now available (and which were sufficient to enable it to make a fair start), relying upon the country in general and the mineral interests in the country in particular for further help, well remembering how most of the mining and metallurgical schools of the world had been started—many of the now renowned mining schools of the world being the result of handsome endowments made by mine owners of the land since their inception, and some being founded and run on a school of mines tax levied on the sale of minerals.

The Department of Geology, Mining and Metallurgy has thus been started and the B. Sc. degree in Mining and Metallurgy has been instituted for the present.

There is a four-year course leading to the degree of B.Sc. in Mining and a four-year course leading to the degree of B.Sc. in Metallurgy offered to a limited number of students who have passed the Intermediate Examination with Physics, Chemistry and Mathematics, or the B. Sc. Examination with Geology and Chemistry of an Indian University established by Act of the Legislature. The courses are common for the first three years. An outline of the courses is given below:—

ADMISSION.

1st Year—(Common to Mining and Metallurgy).

Mathematics.

Applied Mechanics.

Heat Engines.

Practical Solid Geometry.

Engineering Drawing.

Applied Electricity.

Metallurgy.

2nd Year—(Common to Mining and Metallurgy).

Geology and Mineralogy.

Physical Chemistry.

Assaying.

3rd Year—(Common to Mining and Metallurgy).

Mining.

Surveying.

Electrical Technology,

Power Generation and Transmission by non-electrical methods.

4th Year—(Mining).

Advanced Mining.

Mining Plant and Machinery.

Mining Geology.

Mine Sampling and Valuation.

Economics of Mining.

4th Year—(Metallurgy).

Advanced Metallurgy.

Advanced Assaying.

Fuels and Refractory Materials.

Metallography and Pyrometry.

Mechanical Testing and Heat

Treatment of Metals and Alloys.

B.Sc. DEGREE IN MINING.

B.Sc. DEGREE IN METALLURGY.

A student who has passed the first Year Engineering Degree Examination of the Benares Hindu University is entitled to total exemption from the First Year Mining and Metallurgy Degree Examination and a student who has passed the B.Sc. Examination of an Indian University with Geology and Chemistry is entitled to exemption from the Second Year Mining and Metallurgy Degree Examination on condition that he takes "Assaying" as part of his Third Year Examination. Under no circumstances would a candidate be exempted from

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the whole or any part of the Third or Fourth Year Examination for the Degree of Mining or Metallurgy.

An approximate idea of the expenses that every student would have to incur for the Mining or the Metallurgy Course, exclusive of the cost of living, may be gained from the following table:—

		Tuition Fee per year, payable in eight equal monthly instalments.	Fee for admission to the Examination.	Approximate cost of any instruments, apparatus etc., which a student is required to purchase for the course.	Approximate cost of the Text-books prescribed for the course.	Approximate expenditure on excursions during the course.
		Rs.	Rs.	Rs.	Rs.	Rs.
First Year	Course					
(Common)	..	96	20	65	33	20
Second Year	Course					
(Common)	...		20	12	28	25
Third Year	Course					
(Common)	..		30	65	63	50
Fourth Year	Course					
Mining	...	120	30	nil	120	50
Fourth Year	Course					
Metallurgy	...	120	30	nil	130	40

There are no Diploma Courses in Mining or Metallurgy at present.

The form of application for admission to the B.Sc. Courses in Mining and Metallurgy, as also any further information relating to these courses can be had from "The Head of the Department of Geology, Mining and Metallurgy, Hindu University, Benares." Telegraphic address:—"Geominemet," Benares.

INSTRUCTIVE STAFF.

(1922-23)

PRINCIPAL.

Charles A. King B.Sc. (Hons. Eng. London) A.R.C.Sc.,
A.M.I.M.E., M.I.S.E., M.I.E. (Ind.) M.I.M. etc.

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING

University Profesor of Mechanical Engineering. L. D. Coueslant B. Sc. (Hon. Eng. London) A.M.I. M.E.

Professor of Electrical Engineering. B.C. Chatterji B.A , B.L., B.Sc. A.M.I.E.E.

Professor of Electrical Engineering. R.S. Jain B.Sc., A.M.A.I.E.E.

Asstt. Professor of Engineering Physics (Electrical). Narayan Chandra Mukerji M.Sc.

Asstt. Professor of Engineering Physics (Mechanical) Tota Ram Sharma M.Sc.

Asstt. Professor of Engineering Mathematics. Sohanlal M.Sc.

Asstt. Professor of Engineering Physics. Gopal Chandra Mukerji M.Sc.

DEPARTMENT OF CIVIL ENGINEERING.

Professor of Civil Engineering. R.D. Gulattee B.Sc.

DEPARTMENT OF GEOLOGY, MINING AND METALLURGY.

Head of the Department and University Professor of Mining and Metallurgy. N.P. Gandhi, M.A., B.Sc., A.R. S.M. D.I.C., F.G.S., A.I.M.M.

University Professor of Krishna Kumar Mathur B.Sc.
Geology. A.R.S.M.

Assistant Professor of Engi- Lilanand Gupta M.Sc.
neering Chemistry and
Metallurgy.

(1923-24,)

Principal:

Charles A. King B.Sc. (Hons. Eng. London) A.R.C.Sc.
A.M.I.M.E., M.I.S. E.M.I.E. (Ind) M.I.M.E.

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

University Professor of Me- L. D. Coueslant B.Sc. (Hon.
chanical Engineering. Eng. London) A.M.I.M.E.

Professor of Electrical En- B.C. Chatterji B.A., B.L. B.Sc.
gineering. A.M.I.E.E.

Professor of Electrical En- R.S. Jain B.Sc., A.M.I.E.E.
gineering.

Asstt. Professor of Engin- Narayan Chandra Mukerji
eering Physics (Electri- M.Sc.
cal).

Asstt. Professor of Engin- Tota Ram Sharma M.Sc.
eering Physics (Mechani-
cal).

Asstt. Professor of Engineer- Sohanlal M.Sc.
ing Mathematics.

Asstt. Professor of Engineer- Gopal Chandra Mukerji
ing Physics. M. Sc.

DEPARTMENT OF CIVIL ENGINEERING.

Professor of Civil Engineer- R. D. Gulattee B. Sc.
ing.

DEPARTMENT OF GEOLOGY, MINING AND METALLURGY.

- Head of the Department and N. P. Gandhi M. A., B. Sc.
 University Professor of A. R. S. M., D. I. C., F.
 Mining and Metallurgy. G. S., A. I. M. M.
- University Professor of Krishna Kumar Mathur B. Sc.,
 Geology, A. R. S. M.
- Asstt. Professor of Geology. H. L. Chhibber M. Sc.,
- Asstt. Professor of Engineer- V. G. Iyer B. A.
 ing Chemistry and Metal-
 lurgy.

[1924-25]

Same as in 1923-24.

Mr. H. K. Sen appointed Asstt. Professor of Mining and Metallurgy,

[1925-26]

Principal :

Charles A. King B. Sc., A. R. C. Sc., etc.

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

- Patiala Professor of Mechani- L. D. Coueslant B. Sc.,
 cal Engineering. (Hons. Eng. London)
 A. M. I. M. E.
- Patiala Professor of Electrical B. C. Chatterji B. A. B. L.,
 Engineering. B. Sc., A. M. I. E. E.
- Professor of Electrical R. S. Jain B. Sc., A. M.
 Engineering. I. E. E.
- Asstt. Professor of Engineer- Narayan Chandra Mukerji
 ing Physics (Electrical). M. Sc.

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Asstt. Professor of Engineer- Tota Ram Sharma M. Sc.
ing Physics (Mechanical).

Asstt. Professor of Engineer- Sohanlal M. Sc.
ing Mathematics.

Asstt. Professor of Mechanical Beni Madho Singh B. Sc.
Engineering.

Asstt. Professor of Mechanical B. D. Kelkar B. Sc.
Engineering.

Asstt. Professor of Electrical K. S. Mukerji B. Sc.
Engineering.

DEPARTMENT OF GEOLOGY, MINING AND METALLURGY.

Head of the Department and N. P. Gandhi M. A. B. Sc.,
University Professor of A. R. S. M., A. I. M. M., F.
Mining and Metallurgy. G. S.

Asstt Professor of Mining. H. K. Sen M. Sc.
and Metallurgy.

THE LAW COLLEGE,

The Faculty of Law and the set of Regulations governing the Law examinations had been in existence ever since the University was started but the Law classes were only inaugurated on the 4th August 1923, by the late Hon'ble Justice Sir Ashutosh Mukerji who had come down from Calcutta specially for the purpose. It was not originally intended that students should be allowed to combine the study of Law with the pursuit of courses in the M.A. but in view of such a facility being provided in all the neighbouring Universities, it had to be done though the proviso has been added that a student should not be allowed to appear for the two University examinations in the same year. The M.A. and Law courses can thus be taken in three years at the University. The first examination

in Law, the Previous LL.B. was held in the year 1924 and the first final LL.B. examination in the year 1925. The first set of successful candidates at the Law examination will take their degrees at the eighth Annual Convocation of the University to be held on the 21st of December 1925. Besides the Readers in Law appointed by the University, there are a number of eminent lawyers practising chiefly in the neighbouring High Court of Judicature at Allahabad, who are working as Honorary lecturers in the various subjects. The classes are held in the morning or evening and the tuition fee payable is Rs. 10/—per mensem. Graduates of Indian Universities are admitted and the courses at present prescribed are for the LL.B. degree although there is provision in the Regulations for the higher degree of Master of Laws. Honorary Degrees of Doctors of Laws, have been conferred on His Highness Maharaja Sir Sayaji Rao Gackwar of Baroda and His Highness Maharaja Sir Prabhu Narayan Singh Bahadur of Benares.

The students reside in Hostels except with the special permission of the Pro-Vice-Chancellor and take part in games and Athletics and the various other activities of the University.

INSTRUCTIVE STAFF.

[1923-24]

Honorary Professors of Law:

Tej Bahadur Sapru M.A., LL.D., K.C.S.I.

M. L. Agrawala B.Sc., LL.D.

Kailash Nath Katju M.A., LL.D.

Anandi Prasad Dube B.C.L.

Mahadeo Prasad M.A., LL.B.

Prakash Narain Sapru M.A., LL.B. Bar-at Law.

Sankar Saran B.A. (Oxon) Bar-at Law.

A. N. Sanyal B.A., LL.B. (Hons., London)
Kashi Narayan Malaviya M.A., LL.B.
Abdul Hamid B.A., LL.B.
Bansidhar B.A., LL.B.
M. Waliullah M.A., B.C.L., LL.D,

[1924-25]

Same as in 1923-24 with the following additions :

Honorary Professors:

Syed Agha Haidar M.A., Bar-at-Law,
Pyarelal Benerjee M.A., LL.B.

University Readers:

Brajnath Vyas M.A., LL.B.
V. B. Sastri M.A., M.L.

[1925-26]

Dean of the Faculty of Law and Honorary University

Professor:

Tej Bahadur Sapru K.C.S.I., M.A., LL.D.

Honorary Professors:

Tej Bahadur Sapru K.C.S.I., M.A., LL.D.
M. L. Agarwala B.Sc., LL.D.
S. N. Sen M.A., LL.D.
K. N. Katju M.A., LL.D.
M. Waliullah M.A., B.C.L., LL. D.

Mahadeo Prasad M.A., LL.B.

Syed Agha Haidar B.A., Bar-at-Law.

A. P. Dube M.A., B.C.L., Bar-at Law.

P. L. Banerji M.A., LL.B.

A. N. Sanyal M.A., LL.B.

U. S. Bajpai M.A., LL.B.

P. N. Sapru M.A., LL.B. Bar-at-Law.

Sankar Saran B.A. (Oxon) Bar-at-Law.

Kashi Narain Malaviya M. A., LL.B

READERS:

V. B. Sastri M.A., M.L.

Braj Nath Vyas M.A., LL.B.

THE CENTRAL HINDU SCHOOL.

The Central Hindu School was started in the year 1898 by Mrs. Annie Besant and her co-workers with a view not only to provide general instruction for boys but to give them the most necessary training in Hindu religion side by side with a sound moral training in order to send out into the world, as in the case of the Central Hindu College, young men of high character and substantial attainments. Like the Central Hindu College, it was originally under the management of the Board of Trustees of the Central Hindu College which handed it over to the Hindu University Society (registered in 1911). Till 31st March, 1916, it was managed by a Committee appointed for the purpose by the said Society and consisting of the following members:—

1. Rai Gyanendranath Chakravarti Bahadur M.A., LL.B., (*President*)
2. The Hon'ble Pandit Madan Mohan Malaviya B.A., LL.B.

3. Pandit Baldev Ram Dave
4. Rai Krishnaji
5. Pandit Chhedahal B.A.
6. Pandit Ram₃Narayan Misra B.A.
7. Babu Chintamani Mukerji B.A.
8. The Head Master of the School, *ex-officio*. and
9. Babu Jnanendranath Basu B.A. (*Secretary*)

By reason of the notification No. 255 dated 23rd March 1916, issued by His Excellency the Governor General in Council, directing that the Benares Hindu University Act (No. XVI of 1915) shall come into force on and with effect from 1st April 1916, and by reason of the said Act coming into force on the said date and the Hindu University Society being dissolved, the Vice-Chancellor in exercise of the powers vested in him under Clause (4) statute (9) of schedule I of the Act entrusted the management of the institution to the same Committee up to and until the University is able to meet and make the necessary provision for the maintenance and management of the said institution. The School has since been managed by the duly constituted authorities of the University. Under Statute 76 of the University Statutes the management of the School is in the hands of the Central Hindu School Board which consists of, the Chairman of the Board, nominated by the Court, one member nominated by each of the Faculties of the University from among its own members and members nominated by the Council equal in number to the number nominated by the Faculties and of which the Head master for the time being is the Secretary. Under Statute 73 the School is to comprise the following departments viz:—

- (a) One for the instruction and training of students up to the standard of the Admission Examinations of the University in Arts and Science.
- (b) One for the instruction and training of students for the Admission Examination to the Faculties of Oriental Learning and Theology.

- (c) One for the instruction and training of students for the Faculty of Technology (when constituted).

The School has at present departments (a) and (b). A school for the education of girls is also attached to the said institution. The school at first occupied the beautiful buildings at *Kamacha* known as the Central Hindu College buildings side by side with the Central Hindu College but as soon as the Benares Hindu University came into existence and the Central Hindu College was deemed to be a College maintained by the University, it had to be temporarily removed to a new building erected for the purpose at a place nearby known as the *Kolhua* and had to vacate the old buildings which were required for the purposes of the University before its removal to its new home at *Nagwa*. With the removal of the College and the University, the school has again been brought down to its old home, is occupying the buildings which it occupied before and has for its neighbour in the same compound, the Teachers' Training College of the University. The department (a) of the school mentioned in the Statute prepares students for the Admission Examination of the Benares Hindu University and the department (b) known by the name of the Ranavira Sanskrita Pathshala which was also started by Mrs. (now Dr.) Annie Besant, prepares students for the Admission (*Praveshika*) examination to the Faculties of Oriental Learning and Theology. Religious instruction is a special feature of the School and while the students (specially the boarders) are taught to perform their morning and evening prayers (*sandhya*) and attend the daily prayer, in the school, an hour is set apart for giving instruction in the teachings of *Sanatana Dharma* and the subject is taught by teachers appointed for the purpose. There are special celebrations in the school on important Hindu holidays such as *Janmashtami* etc. Proper attention is paid to the health of the Boarders and the day scholars and games and athletics are encouraged. A library and a gymnasium are attached to the school and the students learn swimming and practise water sports under competent teachers in the Ganges in the swimming season.

The students have started a *Vidyarthi Sahayak Sabha* whereby they help poor students in their studies by collecting funds for them. Several boy-scout troops have been organised and the students learn to help their fellow brethren.

The Ranavira Samskrit Pathshala is the Samskrit Department of the school and prepares students for the Pravesika examinations of the Faculties of Oriental Learning and Theology.

The Girls' School is the department of the school for the education of the girl students. It is being organised and efforts are being made to raise it to the standard of the Admission Examination. The list of members of the teaching staff of the school is given below :—

Head Master:

Ram Narayan Misra, B. A.

Teachers :

Kali Prasanna Chakravarti, B. A., *Kaviratna*.

Mani Bhushan Banerji, M. A., L. T.

Manmath Nath Roy, M. A., L. T.

Paresh Nath Banerji, B. A.

Mahesh Chandra Ghose, B. A.

K. C. Ghose, B. A., B. T.

Sheodatta Tripathi, M. A.

U. N. Banerji, B. A.

P. C. Chatterji, B. A.

Sampat Ram Nagar, B. A., L. T.

R. G. Akoot, B. Sc., L. T.

Hari Ram Dikshit, B. A.

Raghubar Das, B. A., L. T.

Jangir Singh, B. A., L. T.

Sohanlal, M. E., E. J.

J. C. Banerji, F. C. E., F. T. D. E.

L. M. Mukerji.

P. N. Mukerji.

R. N. Lal.

Amar Nath Jetley, Sastri.

Keshava Prasad Misra, Kavyatirtha.

Sakal Narain Rai.

K. C. Mudaliar.

Sanwalji Nagar, *Sahityabhushana*.

S. K. Hari Herlekar.

Hari Narayan Chaudhury.

N. R. Bapat.

B. N. Mathur.

Purushottam Datta Tripathi, Shastri.

Ram Sundar Pandey, Acharya.

Shri Krishna Shukla, Visharada

Shyam Nandan Bhattacharya.

Sarju Prasad Singh

Dasarath Ojha.

Superintendent of the Boarding House:

Tribhuwan Nath Munshi.

Medical Officer:

Achal Behari Seth, M. B., B. S.

Head Master of the Samskrit Pathshala:

Ananta Rama Sastri.

Head Mistress of the Girls' School (offg.)

Viraj Mohini Debi.

XI

The Benares Hindu University

LIBRARIAN: PANDIT GANGASHANKAR MISRA, M.A.,

A rich collection of books presented by Prof. P. K. Telang to the Central Hindu College in memory of his learned father, the late Justice Kashinath Trimbak Telang, formed the nucleus of the present University Library. It was originally located in the separate fine building known as the Telang Library, situated on the old Central Hindu College premises. Through the influence of Mrs. (now Dr.) Annie Besant, the Library received in the early stages a large number of books as gifts from several Indians and Europeans. When it passed into the hands of the Benares Hindu University, the total number of books was nearly 15,000.

Since the establishment of the Benares Hindu University in 1916, its management has been vested in a Library Committee consisting of the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Librarian, as ex-officio members and sixteen other members appointed by the Senate (Vide Regulation No. 1, Chap. VIII).

In 1917, besides the normal annual grant of Rs. 3,000 for the purchase of books, a special grant of Rs. 32,000 was made to equip the Library for higher teaching. Two years later, the University received two handsome donations, one of Rs. 10,000 from Sriyut Jamna Lal Bajaj of Wardha, and the other of Rs. 50,000 from the Government of the United Provinces. This amount was spent in providing the Library with complete sets of important technical Journals

and works of reference to be used for higher studies and research work. In 1922, the University had to sanction another sum of Rs. 20,000 to bring the different sections of the Library up-to date.

The Samskrit Section was greatly strengthened by the addition of a very valuable collection of books, worth Rs. 40,000 bequeathed to the University by the late Seth Roormal Goenka of Calcutta. According to the wishes of the late donor, it has been lodged in a separate room and is known as the Goenka Samskrit Section.

The need for a good Law Library was supplied by a gift of 1,100 books from Rai Bahadur Pandit Baldeva Ram Dave, Vakil, High Court of Allahabad, and member of the Council of the Benares Hindu University and 500 books from Rai Baijnath of Hyderabad (Deccan). Only recently new books worth Rs. 1,500 have also been added to it, to make it up-to date.

The late Sir Ashutosh Choudhuri has also bequeathed his general Library to the University and necessary steps are being taken to transfer it from Calcutta to Benares.

At present the total number of books in the Library is nearly 30,000. The books have been catalogued on the well-known Dewey System with certain modifications and a complete Catalogue in three volumes has been published.

The Library has been subscribing for important Journals worth Rs. 3,000 annually, and has been receiving important Government Publications free of cost. It is also on the free list for the publications of the States of Mysore, Baroda, Hyderabad, and Travancore. The Government of the United States has also been supplying it with important State Publications and it has been enjoying the same privilege from the League of Nations.

When the University shifted to its new home in 1921, the Telang Library Building, with 1,600 books, was handed

over along with other buildings to the Central Hindu School. Since then, the main portion of the Library has been occupying the right half of the Central wing of the Arts College Buildings, while its different Science Sections are lodged in the rooms of the Science Departments.

In spite of the generous help that it has been receiving from all sides, the Library is hardly in a position to supply the full needs of such an institution as the Benares Hindu University, one of the aims of which is to foster and conserve all that is best in Oriental Literature.

A suitable home for the Library, a true temple of Sarasvati, the Goddess of Learning—as well as its further equipment in order to make it a first-rate University Library is at present one of the greatest needs of the University.

XII

Athletics.

The University Athletics are under the direct control and management of the Central Hindu College and the Engineering College Athletic Associations. The executives of these two bodies are elected from among the members of the staff and the students of the University. The aims of these associations are (1) to give every encouragement to the students of this University for such physical exercise, as has been found under modern conditions essential for the harmonious muscular development, the development of organic power, which is the basis of vitality and for healthy moral and mental growth, (2) to afford opportunities for physical recreation to counteract the deleterious individual efforts to close application to mental work.

To this end the University maintains extensive grounds covering over 22 acres of land furnishing ample facilities for Football, Hockey, Cricket, Tennis, Basketball, and Volleyball. The open-air gymnasiums are equipped with such apparatus as is necessary for healthful exercise. A big wrestling arena forms an integral part of each of the two gymnasiums. A big stadium, the only one of its kind in any of the educational institutions of the country at the Rangbhumi grounds offers facilities for general track athletics and other sports. Skilled instruction is available for all the students of the University in Wrestling, Gymnastics, Indian Clubs, Swords, Spear, Fencing, Pata, Bana, Malkham, Santola, Lejum, Boxing, and other Indian exercises. Swimming classes are organised annually for the benefit of the non-swimmers. Teams are sent out on tour every year to play with the other educational institutions in or outside the United Provinces. This in addition

to its being an impetus for better efficiency in games leads to a better understanding by the youngmen of the country of one another's virtues, shortcomings and limitations.

The competitive side of the University athletics is developed by match games, tournaments, annual sports and gymnastic contests. Teams for Inter-Hostel and Inter-class tournaments are organised in Football, Hockey, Tennis, Volley Ball and the Tug-of-War. Three Tennis cups, the Raja Motichand Open Singles, the Sir Sunderlal Handicap Doubles and the K. T. Telang Junior Doubles are competed for every year by the members of the University. A shield has been recently presented by Mr. S. H. Freemantle, C. I. E., I. C. S., for Inter-Hostel Swimming Competition. King and Coueslant cups are run by the Engineering College in Hockey and Football. A Football shield has been offered by the C. H. College Athletic Association in memory of the late Babu Kali Das Manik for competition open to the educational institutions in United Provinces and the neighbouring provinces.

The military training corps has now been organised. 74 students and 3 Professors have so far been enrolled to form the two platoons of the 8th Benares Company. It is hoped that before the close of the year two more platoons will be added to complete the company of the University Training Corps, the sanction for the formation of which has been accorded by the Government of India. Regular instruction in drill is being given by the staff Sergeant Instructor who lives in the University premises. A miniature range has now been constructed and musketry training has begun.

The provision so far made cannot be considered as adequate unless facilities are afforded for riding and rowing. The matter has been engaging the attention of the authorities and as soon as sufficient funds are available these needs will be met without any delay. Funds are also needed in the very near future for the building of a Gymnasium, which too cannot wait long without prejudice to efficient training in modern gymnastics.

XIII

The Residence of Students.

Under Regulation I of Chapter XI of the University Regulations every student of the University is required 'to reside in a University Hostel or, if he is a student of a constituent college, in a College Hostel, unless allowed by the Pro-Vice-Chancellor to reside with his parents or guardians under such conditions as the Pro-Vice-Chancellor may, from time to time, prescribe'. Majority of the students of the University therefore reside in the Hostels of the University which under the Regulations are required to be constructed on plans approved by the Syndicate. The Hostels are under the supervision of the Students' Residence Committee which is constituted every year in the manner shown in Chapter XII of the Regulations of the University and which, subject to the Regulations and to the general control of the Syndicate, deals with all questions relating to the admission, residence and social life of the students in the University Hostels. Each Hostel is under the supervision of a warden assisted by Assistant wardens who are members of the professorial staff of the University. The internal management of each hostel is carried on in accordance with the rules prescribed by the Syndicate and given elsewhere in this Calendar.

There are at present three Hostels on the University grounds accommodating nearly 1100 students belonging to the Colleges of Arts, Science, Oriental Learning and Theology and the Law College. There is a separate Hostel constructed for the residence of women students but all its arrangements not yet being complete, it is occupied during the present session by men students of the University, some of whom have also to live in residential quarters built for the staff, for want of accommodation in the existing hostels. The students of the Teachers' Training College live in one of the Hostels

forming part of the old Central Hindu College buildings at *Kamacha*, while the students of the Central Hindu School live in the two Hostels attached to the school and also forming part of the old Central Hindu College buildings. Out of the Hostels on the University grounds, the first Hostel, which is occupied by 312 students of the Colleges of Arts and Science has been built by the handsome donation of rupees three lakhs given by Raja Baldev Das Birla and is called the Raja Baldeo Das Birla Hostel. The second Hostel also accommodates 312 students of the College of Engineering. Rai Sahib Sangidas Jessiram contributed $2\frac{1}{2}$ lakhs for it and another benefactor of the University contributed Rs. 50000/- It is called the "Sangidas Shapurji Barocha Hostel".

The Northern wing of the Hostel No. 1 is called the Rai Ram Charan Das Bahadur Wing in commemoration of his gift of Rs. 75,000 for a Hostel in the University and the northern wing of what is called the Hostel No. 2 at present (the Sangidas Shapurji Barocha Hostel) is called the Mangal Das Girdhar Das Parik Wing, while the northern side of the southern wing of the same Hostel is called the Bhateley Shyam Behari Wing. The 4th Hostel, (i.e. the one accommodating the Colleges of Oriental Learning and Theology) commemorates the donations of Rai Ram Narayan Harnand Rai Chaudhury, Seth Suraj Mal Harnandrai, Seth Shantidas Asukarn and Seth Mani Lal Jugal Kishore, one of the blocks of the said Hostel being called the Parbati Bai Jaina Ashrama in commemoration of the gift of Babu Jivanlal Pannalal and his brothers Babus Mohan Lal and Bhagavan Lal. Half of this Hostel is occupied by the students of the Colleges of Oriental Learning and Theology and the other half by those of the Colleges of Arts and Science. The Colleges of Oriental Learning and Theology, as has been said above are also accommodated in the said Hostel for want of independent buildings of their own.

The newly built Hostel for Women is called the Makanji Khatau Hostel for Women after the name of the donor. It

will provide accommodation for about a 100 lady students who, it is proposed, will both live and receive instruction there under a competent staff of lady teachers.

The other hostels are the Prince Edward Hostel, the 1st Hostel, the Khurdmahal Hostel, the Kashmir Chhatravas and the Tagore Chhatravas, attached to the old Central Hindu College buildings, and occupied by the students of the Teachers' Training College, the Central Hindu School and the Samskrit Pathshala.

All the Hostels are under the care and management of Wardens and Assistant Wardens. Special care is taken of the health of boarders and competent medical officers have been appointed for the purpose. The boarders take part in games and athletics and various social and other activities are encouraged. The Hostels have got their Boarders' Unions, Debating Clubs and Reading Rooms and organise social and religious functions from time to time. A Music Class has also been opened in one of the hostels under a competent Music Teacher.

XIV

Certification of Private Candidates for the Admission and Praveshika Examinations and Recognition of Schools.

(A) CERTIFICATION OF PRIVATE CANDIDATES.

The following officers have been empowered by the Government of India or the Local Governments of Provinces to certify private candidates for the Admission and Praveshika Examinations of the Benares Hindu University under Regulations 7 and 8, 16 and 17 respectively of Chapter XIV of the University Regulations.

Province or State.	Name of Examination	Certifying Officer.	Remarks.
The United Provinces.	Admission.	Divisional Inspector of Schools.	Vide Letter No. 1570/XV—292, dated the 23rd September, 19- 18 from the Secretary, to the Govern- ment, United Provinces, Edu- cation Depart- ment to the Registrar B. H. U.

Province or State	Name of Examination.	Certifying. Officer.	Remarks.
The United Provinces.	Praveshika,	Inspector of Sanskrit Pathshalas, U. P.	Vide Letter No. 90, dated 13th Jan., 1919, from the Secretary to the Govern- ment U. P. to the Registrar.
Tehri State	Admission and Praveshika.	Inspector of Schools Meerut Divi- sion.	Vide Letter No. G/5732/XVII— 108, dated the 26th March, 1920 from the Director of Public Instruc- tion U.P. to the Registrar.
Benares State	Do	Inspector of Schools Benares Division.	... Do. ...
Rampur State	Do	Home Secre- tary to his Highness the Nabab of Rampur.	... Do. ...
Bengal.	Admission.	Inspectors and Inspec- tresses of Schools.	Vide Letter No. 5731 G., dated the 15th Nov., 1918, from the Director of Pub- lic Instruction, Bengal to the Registrar.
Do,	Praveshika.	Inspectors, Additional Inspectors and inspec- tresses of Schools.	Vide Letter No. 176, Edn., dat- ed the 4th Fe- bruary, 1919, from the Sec- retary to the Government of Bengal to the Registrar.

Province or State.	Name of Examination.	Certifying Officer.	Remarks.
Bihar and Orissa.	Admission.	Inspectors of Schools.	Vide Letter No. 1858 E. dated 1st. Nov., 1918, from the Sec- retary to the Government of Bihar & Orissa to the Registrar
Bihar and Orissa.	Praveshika.	Inspectors of Schools.	Vide Letter No. 113 E. P. dated the 24th Janu- ary, 1919, from the Chief Sec- retary to the Government of Bihar and Ori- ssa to the Re- gistrar.
Territories of Indian States in Bihar and Orissa.	Admission and Praveshika.	Agency Inspector for the Orissa Feu- datory States and Inspector of Schools in Angul.	Vide Letter No 543 E.P. dated the 25th March 1919, from the Chief Secretary to the Govern- ment of Bihar Orissa to the Registrar.
Assam.	Admission.	Inspectors of Schools.	Vide Letter No. 7878 E., dated the 18th De- cember 1918, from the Sec- retary to the Chief Commis- sioner, Assam to the Regis- trar.
Do	Praveshika.	Inspectors of Schools	Vide Letter No. 488 E., dated the 30th Janu- ary, 1919 from the Under-

Province or State.	Name of Examination.	Certifying Officer.	REMARKS.
Manipur State.	Admission and Praveshika.	Inspectors of Schools, Surma Valley and Hill Districts.	Secretary to the Chief Commissioner, Assam to the Registrar. Vide Letter No. 1056 E., dated the 26th February, 1919 from the Under Secretary to the Chief Commissioner of Assam to the Registrar.
Burma,	Admission.	Inspector of Schools.	Vide Letter No. 742/14 E., 96 dated the 27th November 1918 from the Secretary to the Government of Burma to the Registrar.
Do.	Praveshika.	Director of Public Instruction.	Vide Letter No. 277/14 E. 11 dated the 7th February, 1919 from the Secretary to the Government of Burma to the Registrar.
Delhi	Admission.	Inspector of Schools, Ambala Division	Vide Letter No. 7876 Education dated the 7th Nov., 1918, from the Secretary to the Chief Commissioner, Delhi, to the Registrar.

Province or State.	Name of Examination.	Certifying Officer.	REMARKS.
Patiala.	Admission.	Educational authority of the State.	Vide Regula- tion No. 9, of Chapter XIV of the Regula- tions of the B. H. U. & Me- morandum No. 353 I. B. dated the 27th Jan. 1919 from the Secretary to the Govern- ment of India Foreign and Political De- partments.
Kashmir.	Admission.	Do.	Do.
Baroda.	Do.	Do.	Do.
Territories of Indian States in Rajputana Agency.	Admission and Praveshika.	Inspector of Schools in Ajmere Mer- wara.	Letter No. 15- 70/215 of 1919 dated 5th April 1919 from the First Assistant to the Hon'ble the Agent to the Governor General in Rajputana to the Registrar.
Territories of Indian States in Central India Agency.	Admission and Praveshika.	Inspector of Schools Cen- tral India Agency.	Vide Letter No. 3583 I.B. dated the 17th. Nov. 1920, from the Deputy Secre- tary to the Govt. of India in the Foreign and Political Departments to the Agent to the Gover- nor General in Central India.

Province or State.	Name of Examination.	Certifying Officer.	REMARKS.
Bombay Pre- sidency.	Admission	Divisional Inspectors.	Vide Press note No. 463 dated the 6th Feb- ruary, 1919 issued by the Bombay Govt.
Do.	Praveshika.	Do.	Vide Press Note No. 995 dated the 14th Ma- rch, 1919, issued by the Bombay Government.
Native States in Bombay Presidency.	Admission and Praveshika.	Nearest Edu- cational Ins- pector of the Bombay Govt.	Vide Press note o. 3217 dated e 12th May, 19 issued by e Bombay y in the Political De- partment.
Central Pro- vinces and Berar.	Admission.	Inspectors of Schools.	Vide Letter No. 9737 dated the 11th Nov. 1918, from the Director of Public Instru- ction, Central Provinces to the Registrar.
Mysore.	Admission and Praveshika.	Inspector General of Education.	Vide Memoran- dum No. 2489 I.B. dated the 17th May, 1919 from the Sec- retary to the Govt. of India Foreign and Political De- partments to the Hon'ble the Resident in Mysore.

Extract from memorandum No. 355 I. B. dated 27th January, 1919 from the Secretary to the Government of India in the Foreign and Political Departments.

“The Government of India will be prepared to recognise an Inspector of schools in the *Madras Presidency, Bombay Presidency, the Punjab and a neighbouring British Province* as the certifying authority in the matter in respect of those states in whose case the direction provided for by Regulation 2 (a) of Chapter XVII has not been made.”

Extract from memorandum No. 356 I. B. dated Delhi the 27th January, 1919, from the Secretary to the Government of India in the Foreign and Political Departments to various Local Governments.

“The Government of India will be prepared to recognise an Inspector of Schools in the *Bengal Presidency, Burma, Bihar and Orissa, the Central Provinces, and Baluchistan* as the certifying authority in the matter in respect of those states in whose case the direction provided for in Regulation 2 (a) of Chapter XVII of the University Regulations has not been made.”

(B) RECOGNITION OF SCHOOLS.

The subject of Recognition of Schools for the purpose of sending up candidates for the Admission Examination of the Benares Hindu University is dealt with in Chapter XVII of the Regulations of the University. The rules framed by the different Local Governments for the recognition of schools for the Admission Examination of the University or for general recognition are embodied in the Educational codes or similar other publications of the different provinces. In cases where no rules have been framed as yet, such rules may be framed by the different Governments, if schools apply to them for recognition. Extracts from the Educational Code of the United Provinces in regard to the recognition of schools situated in the United Provinces are given below :—

177. No school will be placed on the list of recognised English schools unless it gives satisfaction on the following points :—

- (a) The general desirability of the institution with reference to the suitability and sufficiency of existing schools in the locality, the special aims of the institution, and, in the case of new schools, the probable effect on existing schools.
- (b) The financial stability of the institution.
- (c) The constitution of the managing body and names of members.
- (d) The standard and subjects in regard to which it is intended that instruction should be given.
- (e) The suitability of the school buildings and equipment.
- (f) The qualifications and pay of the teaching staff.
- (g) The provision made for the health, recreation and discipline of scholars.
- (h) The scale of fees charged.
- (i) The number of boys in each class.

178. (a) Recognition up to the upper middle standard may be given by the Inspector. The manager or proprietor of an English school wishing to obtain recognition should submit his application to the Inspector in the prescribed form (Form No. 19 of Appendix I), copies of which may be obtained from the Inspector's office.

A school refused recognition by the Inspector shall have a right of appeal to the Director.

- (b) A school desiring recognition for the purposes of the School Leaving Certificate examination should apply to the Inspector before the end of January, in the calendar year in which it proposes to open classes in preparation for the examination, for permission to send up candidates, stating the optional subjects which it intends to offer. Recognition must be separately obtained for each optional subject taken up. The Inspector after making such enquiry as he may deem fit will, if he supports the application, forward it with his recommendation to the Director by March 1st. If the Inspector is unable to support the application he will inform the school specifically of his reasons for rejecting it. An appeal from the Inspector's decision may be made to the Director whose decision in all cases is final.

- (c) Application for recognition for the purposes of the Matriculation of the University should be made in accordance with the procedure laid down in Chapter VII of the University Regulations published in the University Calendar.
- (d) Applications for recognition for the purposes of the Matriculation Examination of the Benares Hindu University should be made in accordance with the procedure laid down in paragraphs 177 and 178.

The Schools and Pathshalas applying for recognition are required to submit information according to the form given on pp. 387-89 of this Calendar.

The Patiala, Kashmir and Baroda States have been empowered by the Government of India for recognising schools in their territories for the purpose of sending up candidates for the Admission Examination of this University (vide memorandum No. 353 I. B., dated the 27th January, 1919, from the Secretary to the Government of India, Foreign and Political Departments.)

The following schools have been recognised for the purpose of sending up candidates for the Admission Examination:—

- (1) The Central Hindu School, Benares.
- (2) The Theosophical National School, Benares.
- (3) The Alwar State High School.
- (4) The Kishengarh State High School.
- (5) The Bipin Behari Institution, Bengal.

XV

List of Graduates.

(i) Graduates in the Faculties of Theology and Oriental Learning.

ACHARYA:

Name.	Year	Class.
Bhargava Sharma Joshi (Vyakarana),	1923	I
Gopala Datta Tripathi (Vyakarana),	1925	II
Mahadeva Prasad Pandeya (Sahitya)	1923	I
Mukund Lal Sharma (Sankhyayoga),	1925	I
N. Krishnamurti Sharma (Mimamsa),	1925	I
Rajanarayana Sarma Pandeya (Vyakarana),	1923	I
Ramananda Misra (Jyotisha)	1923	I
Ramavyasa Pandeya (Jyotisha),	1923	I
Ramesvara Upadhyaya (Vyakarana)	1925	II
Sitarama Joshi (Sahitya),	1925	I
Vamadeva Upadhyaya (Mimamsa),	1924	II
Vasisthadatta Misra (Dharmasastra)'	1924	II
Vindhreshwari Prasada Pandeya (Jyotisha)	1924	II

SHASTRI:

Name.	Year.	Class
Aditya Prasada Pandeya	1924	III
Ananda Sharma	1924	II
Balakaram Sukla	1923	II
Balakrishna Aryalaya	1925	II
Balesara Datta Upadhyaya	1922	III
Bhargava Sastri Joshi	1921	II
Chandra Sekhara Pandeya	1924	II
Chintamani Sharma	1922	III

Name.	Year.	Class.
Devasarana Misra ..	1924	I
Durga Datta Sharma ..	1925	II
Eka Chandra Sharma ..	1925	II
Ganesa Datta Poudyalaya ..	1924	II
Ganesh Prasad Varni ..	1923	I
Gopala Datta Tripathi ..	1923	II
Jagadisa Misra ..	1925	II
Lakshmi Narayana Chaturvedi ..	1923	II
Mahadeva Prasada Pandeya ..	1921	II
Mahesa Jha ..	1925	I
Mukundalal Sarma ..	1923	II
Munisvaradatta Misra ..	1924	I
Narapati Sarma Pokhanyalaya ..	1924	II
N. Krishna Murti Sarma ..	1923	II
Prabhakara Thakura ..	1921	II
Purnananda Pathaka ..	1922	II
Rajarama Sukla ..	1925	II
Rajanarayana Sarma Pandeya ..	1921	II
Rajendranath Acharya ..	1925	II
Rajesvaradatta Misra ..	1925	I
Ramachandra Karmalkar ..	1921	III
Ramacharanlal Misra ..	1925	II
Ramakevala Dvivedi ..	1924	II
Ramakuvera Malaviya ..	1924	II
Ramananda Misra ..	1921	III
Ramasankara Sukla ..	1925	III
Ramavyasa Pandeya ..	1921	II
Ramesvara Upadhyaya ..	1923	III
Saligrama Sarma Poudyalaya ..	1924	II
Sambhusarana Chaturvedi ..	1925	II
Sitarama Joshi ..	1923	II
Sitavara Panta ..	1924	II
Shyanlal Vajpai ..	1923	II
Srikrishna Panta ..	1925	I
Umanatha Sarma Acharya ..	1925	II

Name.	Year.	Class
Vamadeva Upadhyaya	1922	III
Vansidhara Misra	1925	II
Vasisthadatta Misra	1922	II
Vindhyesvari Prasada Pandeya	1922	II
Visnudatta Karpura	1925	I
Yadava Chandra Tripathi	1925	II
SMRITIRATNA :		
Hara Prasada Misra	1923	II
DHARMASASTRI :		
Ramajiva Dvivedi		

(II) Graduates in Arts and Science.**HONORARY DEGREE OF DOCTOR OF LETTERS :**

- (i) *His Royal Highness Prince Edward of Wales 1921.*
- (ii) *The Hon'ble Maharajadhiraj Sir Rameshwar Singh Bahadur, G. C. I. E., Maharaja of Darbhanga 1924.*
- (iii) *Mrs. Annie Besant, Adyar, Madras, 1921.*

DEGREE OF DOCTOR OF SCIENCE :

Mr. Mata Prasad M. Sc. 1925.

MASTERS OF ARTS.

Name of Candidate.	Year.	Name of College	Passed in Class.
Amulya Chandra Mukherji (Maths.)	1921	C. H. C.	II
Asha Adhikari (Sams.)	1924		I
Avadh Kishore Sahay Varma (Phil.)	1923		III
Ayodhya Nath Sharma (Hindi.)	1925		II
Baldeva Upadhyaya (Sams.)	1922		I
Baleshwar Prasad (Maths.)	1921		II
Balram Rambaran Upadhyaya (Eng.)	1924		II
Batuk Nath (Sams.)	1919		III
Beni Madho Singh (Maths.)	1920		I
Bhagabati Prasanna Sanyal (Phil.)	1923		III
Bhagwati Prasad Sinha (Eng.)	1920		I
Bhikhanlal Atreya (Phil.)	1923		I
Bhola Datt Tiwari (Econ.)	1925		II

Name of candidate.	Year.	Name of College.	Passed in Class.
Bijaya Kanta Sen Gupta (Hist.)	1921	C.H.C.	III
Bishambhar Sahay (Econ.)	1925	"	III
Brij Mohan Lal (Eng.)	1923	"	I
Chamanlal Sangal (Hist.)	1924	"	III
Chandrabhushan Chatterji (Hist.)	1920	"	II
Chhatradhari Singh (Econ.)	1922	"	III
Chimmanlal Goswami (Sams.)	1922	"	II
Choudhri Dharambir Singh (Maths.)	1920	"	I
Debi Dutta Fuloria (Maths.)	1922	"	II
Durga Venaik Prasad (Persian.)	1924	"	I
Dwarka Prasad Pathak (Hist.)	1925	"	III
Ganga Prasad Gangopadhyaya (Phil.)	1920	"	II
Gandhi, Manmohan Purushottam (Econ.)	1925	"	II
Ganesh Dat Shastri (Eng.)	1925	"	II
Ganga Shanker Misra (Hist.)	1918	"	II
Hanuman Prasad Jalote (Phil.)	1922	"	III
Har Dutt Sharma (Sams.)	1922	"	I
Hari Das Pakrasy (Maths.)	1923	"	II
Hari Pada Gupta (Hist.)	1923	"	III
Hari Shanker (Maths.)	1923	"	I
Jadunath Prasad (Hist.)	1920	"	II
Jagannath Roy (Sams.)	1925	"	II
Jayantilal Bhaishankar Dave (Phil.)	1925	"	II
Jitendranath Mukherjee (Hist.)	1922	"	III
Joges Prasad Sen (Sams.)	1921	"	II
Jugal Kishore (Maths.)	1922	"	I
Kanhaiyalall Varma (Maths.)	1923	"	I
Karkul Narayan Pai (Sams.)	1925	"	II
Krishnadeo Tewari (Eng.)	1925	"	II
Krishnaji Ballal Phansalkar (Phil.)	1922	"	II
Kunwar Krishna Koul (Eng.)	1923	"	II

Name of candidate.	Year.	Name of College.	Passed in Class.
Madan Mohan (Maths.)	1920	C.H.C.	I
Mewa Ram Saksena (Maths.)	1921	„	I
Mukat Beharilal Gupta (Econ.)	1925	„	II
Narayan Bhaskar Gharpure (Hist.)	1923	„	III
Narayan Bhunayya Javdivar (Sams.)	1921	„	II
Narottam Das Khattri (Econ.)	1923	„	II
Nirmal Chandra Chatterji (Eng.)	1921	„	II
Padma Datta Pande (Maths.)	1922		II
Parashu Ram Choube (Phil.)	1922		II
Parimal Chatterji (Eng.)	1919		III
Parmanand Khatri (Hindi)	1924		II
Parmatma Sharan (Hist.)	1923		II
Pitambar Datt Pande (Econ.)	1920		II
Prafulla Kumar Chatterjee (Eng.)	1922		III
Pratap Rai Modi (Sams.)	1923		II
Raghunath Sinha (Phil.)	1925		II
Raj Bahadur Gupta (Econ.)	1923		II
Ramagyan Dvivedi (Eng.)	1924		II
Rama Nirikshana Singh (Sams.)	1920		II
Rama Shankar Panda (Phil.)	1921	„	III
Ram Krishna Shukla (Sams.)	1924	„	II
Ram Kumar Choube (Maths.)	1922	„	II
Ravindra Narayan Sinha (Sams.)	1923		III
Safat Ahmad (Econ.)	1921		II
Satya Jivan Varma (Hindi)	1924		II
Satyamshu Mohan Mukhopadhyaya (Phil.)	1922		II
Shailendra Chandra Roy (Eng.)	1921		III
Shiv Datt Tripathi (Econ.)	1921		III
Shree Newas (Econ.)	1924		III
Shri Narayanlal Srivastava (Persian)	1925		IE
Shyamlal Merh (Hist.)	1924		II
Shyama Charan Banerji (Phil.)	1925		II

Name of candidate.	Year.	Name of College.	Passed in Class.
Shyama Charan (Maths.)	1920	C.H.C.	III
Sudhir Chandra Ganguli (Econ.)	1924		III
Sunit Kumar Tagore (Eng.)	1923		I
Surya Karan Acharya (Phil.)	1922		III
Thakur Dubey (Maths.)	1921		III
Trilokinath Mehrotra (Hindi)	1924		III
Umesha Misra (Sams.)	1922		II
Upendra Chandra Dutta (Mental and Moral Science)	1919		III
Vamadeva Upadhyaya (Sams.)	1922	,,	II
Vasudeo Rajabhau Bhate (Sams.)	1924	,,	II
Vishwanath Shastri Bharadwaj (Sams.)	1923		II

LICENTIATE OF TEACHING:

Name of candidate.	Year.	Name of College.	Passed in Class:	
			Theo.	Pr.
Akshayabat Singh	1923	T.T.C. Benares	II	III
Ananta Lal Mukerji	1921	,,	II	III
Ananta Ram Sharma	1925	,,	III	..
Anoop Sharma	1925	,,	II	III
Asaram	1925	,,	III	III
Audh Behari Singh	1923	,,	III	III
Badri Das	1921	,,	III	III
			1924	1921
Baij Nath	1924		II	III
Bakhshi Jagat Ram Anand	1921	,,	II	II
Baleshwar Das Bansal	1922		III	III
Baleshwar Upadhyaya	1923		II	III
Balmukand	1924		II	III
Banwari Lal Saksena	1925		III	III
Banwari Lal Vaishya	1920		II	III

Name of candidate.	Year.	Name of college.	Passed in Class.	
			Theo.	Pr.
Bashambarnath Sharma	1922	T.T.C.	II	II
Basudeo Tewari	1923	"	II	..
Batuknath Jha	1922	"	II	II
Batuk Prasad	1922	"	II	II
Bechan Ram Singh	1923	"	I	II
Beni Prasad Gupta	1919	"	II	III
Bhageloo Prasad	1924	"	III	III
Bhagwan Das Varma	1924	"	II	III
Bhagwati Prasad	1923	"	II	III
Bireshwar Kanjilal	1924	"	III	III
Bisheshwar Prasad Ghilidyal	1925	"	II	III
Bishun Kumar Varma	1923-24	"	II	II
Bishwanath Prasad	1922	"	II	III
Brahma Swarup Gupta	1925	"	II	III
Brajendra Prasad	1922	"	II	II
Brij Bahadurlal Nigam	1923	"	III	III
Brij Lal Sharma	1921	"	III	III
Champhubai Shringarpure	1922	"	III	III
Chandrabali Tiwari	1923	"	I	III
Chandra Bhal Sharma	1925	"	III	..
Chandra Bhushan Chatterji	1921	"	II	II
Chandra Bhushan Ojha	1922	"	II	III
Chandradhar Rai	1923	"	II	III
Chandrama Prasad	1921	"	III	III
Chandra Sekhara Misra	1924	"	II	III
Chandra Sekhar Vajpai	1919	"	II	II
Chhatradhari Singh	1923	"	II	III
Darshan Prasad	1923	"	II	III
Dasarathi Mukhopadhyaya	1924	"	II	III
Debi Prasad	1919	"	II	II
Deoki Nandanlal	1922	"	II	III
Deo Nath Jati	1920	"	II	II
Devi Kishore Shukla	1922	"	II	III
Dinabondhu Banerji	1920	"	II	II
Dina Nath	1922	"	III	III

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Dina Nath Dhar	1924	T.T.C.	II	II
Din Dayal Sharma	1924	„	II	II
Doulat Ram Sharma	1924	„	II	III
Dwarika Nath Tiwari	1921	„	III	II
Dwarka Prasad	1924	„	III	..
Gaya Prasad Gour	1923	„	III	II
Gayatri Prasad Srivastava	1922		II	II
Ghasita Rama Sharma	1924		II	II
Gian Chand Mallhautra	1920		II	II
Girban Datt Joshi	1919		II	III
Girdharilal	1925		III	III
Girijapati Upadhyaya	1920		II	III
Gopal Gangadhar Potdar	1922		II	II
Gopal Narayan Sen Sinha	1920		II	III
Govind Prasad Dwivedi	1924		I	II
Govind Ramchandra Bhatt	1924		II	II
Gur Prasad Mathur	1924		III	I
Guru Saran Lal Srivastava	1925		II	..
Hanuman Prasad Jalote	1924		II	III
Haranendranath Ghosal	1922		II	III
Hari Das Pakrasy	1925		III	II
Hari Narayan Bhawan	1924		II	II
Hari Pada Ray	1920		II	II
Hari Ram Hoshing	1922	„	III	III
Hari Shanker Singh	1925	„	II	III
Harishchandra Sen	1921	„	III	II
Hari Swarup Jauhari	1919		II	II
Har Swarup Varma	1925		III	III
Hashmat Rai	1921	„	II	III
Hrishikesh Chakravarti	1922	„	III	III
Jagannath Prasad	1923	„	III	III
Jagmohanlal Varma	1922	„	II	III
Jaikrishna	1923	„	II	II
Jai Mangal Rai	1923	„	III	III
Jamuna Prasad Singh	1924	„	III	II

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Janaki Raja Gopalan	1924	T.T.C.	II	II
Janardan Dwivedi	1924	"	II	III
Jangir Singh	1925	"	II	II
Jiyalal Pandita	1924	"	I	I
Jitendranath Ghose	1924	"	III	II
Joges Prasad Sen	1922		III	III
Jwala Prasad	1923		III	III
Kalika Prasad Varma	1922	"	III	III
Kali Prasanna Chakravarti	1921	"	..	I
Kali Shanker	1923	"	II	III
Kamla Kant Malaviya	1922	"	II	..
Kamlakar Chaube	1923	"	III	III
Kamta Prasad Misra	1922	"	II	..
Kanhaiyalal Mathur	1921	"	III	II
Kashinath Misra	1919	"	III	II
Kashi Prasad Misra	1923	"	III	..
Kashi Ram	1920	"	..	II
Kedar Nath Banerji	1922	"	III	III
Kedar Nath Khanna	1921	"	II	II
Kedar Nath Nayar	1924	"	...	III
Kedar Nath Pandit	1919	"	II	III
Kedar Nath Tangri	1919	"	II	II
Keshari Narayan Lal	1919	"	I	II
Keshava Prasad	1922-23	"	III	III
Keshavchandra Sen Verman	1922	"	II	III
Keshav Shankar Pacholi	1920	"	II	III
Kishori Lal	1922		II	II
Krishna Beharilal Dina	1922		III	..
Krishna Deva Prasad Gour	1923		II	II
Krishnanand Shastri	1925		II	III
Lakshman Das	1920		III	I
Lakshman Narayan Gadgeel	1922		II	III
Lakshmi Dutt Jha	1923		III	III
Lakshmi Narayan	1923		II	III
Lal Chand	1921		II	II

Name of candidate.	Year,	Name of College.	Passed in Class.	
			Th.	Pr.
Lalit Kumar Chattopadhyaya	1921	T.T.C.	III	II
Lallu Prasad Sharma	1921	"	III	III
Lautu Singh (Gautam)	1922	"	I	III
Loknath Pande	1923	"	II	III
Madhoo Ram Khar	1925	"	II	III
Mahabir Saran	1923	"	II	II
Mahadeva Prasad	1922	"	III	..
Maharaj Singh Sombanshi	1922	"	II	..
Mahendra Chandra Roy	1920	"	II	II
Maheshanand Bhatt	1925	"	II	III
Maheshwari Datta Srivastava	1923	"	II	III
Manindra Narayan Bagchi	1922	"	III	II
Manmathanath Bhattacharya	1921	"	III	III
Manmohan Krishna Seth	1921	"	II	I
Manmohan Nath Raina	1920	"	III	III
Mannulal	1922	"	II	III
Mansoor Husain	1922-23	"	III	III
Markandeya Prasad Pathak	1923	"	Failed	III
Mathura Das	1924	"	..	III
Mohanlal	1922	"	III	III
Mukundlal Basak	1922	"	III	III
Mula Ram Bhatia	1924	"	I	II
Munnalal Gupta	1921	"	III	III
Murlidhar Pathak	1922	"	II	II
Nanak Chand Srivastava	1921	"	II	III
Nand Kumar Vasistha	1920	"	III	III
Nandlal Bharadoaj	1920	"	III	III
Nandlal Srivastava	1923	"	III	III
Narain Datt Chandola	1923	"	II	II
Narayan Bhaskar Gharpure	1921	"	III	III
Narayan Das	1923	"	II	III
Narayan Bhumayya Java- divar	1925	"	III	III
Narayan Vinayak Vaidya	1921	"	III	II
Nawal Kishore Varma	1920	"	II	I

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Nikka Misra	1919	T.T.C	II	II
Nimai Charan Mukerji	1924	"	II	II
Nirmal Sarup	1922	"	II	III
Oudh Biharilal	1923	"	II	II
Panchkori Sarkar	1922	"	III	II
Parmanand Das	1922	"	III	III
Phani Bhushan Roy	1920	"	III	I
Prabhash Chandra Basu	1921	"	III	III
Prafulla Kumar Chatterji	1923	"	III	II
Pramathanath Chakravarti	1921	"	II	II
Pratap Narain Varma	1925	"	II	III
Purushottam Prasad Pandey	1922	"	III	III
Pyarelal Mathur	1924	"	II	III
Pyare Mohan Mathur	1923	"	II	III
Radha Behari Nigam	1923	"	II	II
Radhakrishna Bhatnagar	1921	"	II	II
Raghubar Dayal	1925	"	I	II
Raghunath Das Saksena	1921	"	II	II
Raghunath Prasad Srivastava	1925	"	III	III
Raghunath Roy Sharma	1922	"	II	III
Rajaram Govind Akoot	1919	"	II	II
Raja Ram Pandey	1921-22	"	III	III
Raja Ram Sharma	1922	"	II	III
Raja Rama Vajpai	1923	"	III	III
Raj Bahadur Lal Mathur	1923	"	II	III
Rajendra Singh	1921	"	III	II
Raj Kishore Narain	1923	"	II	..
Raj Narain Singh	1923	"	III	III
Rama Badan Lal	1922	"	II	..
Rama Chandra Shukla	1923	"	II	II
Rama Narayan Shukla	1920	"	III	III
Rama Shakal Singh	1925	"	II	II
Rama Shanker Pandya	1923	"	I	II
Ram Bujharat Singh	1924	"	II	II
Ram Chand Das	1925	"	II	III

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Ram Chandra Bharti	1922	T.T.C.	II	..
Ram Chandra Gunesh Agashe	1924	"	III	III
Ram Chandra Lakshman Nighoskar	1925	"	II	..
Ram Chandra Mukheja	1922	"	II	III
Ram Chandra Pandey	1922	"	II	..
Ram Charan Prasad	1920	"	III	II
Ram Datt Joshi	1922	"	III	III
Ram Dhan Khajuria	1924	"	II	III
Ram Gopal	1925	"	II	III
Ram Gopal Gupta	1922-23	"	II	III
Ram Krishna Varma	1925	"	III	III
Ram Kumar Choube	1920	"	II	II
Ram Naresh Roy	1922	"	II	..
Ram Prasad Saraswat	1923	"	II	II
Ram Prasad Singh	1922	"	III	II
Ramrichpal Gupta	1925	"	II	III
Ram Ugrah Singh	1923	"	II	II
Ranchhorlal Misra	1923	"	I	III
Rati Ram Agarwala	1922	"	II	III
Safat Ahmad	1924	"	II	III
Sain Datta	1924	"	III	III
Sampat Ram Nagar	1924	"	II	III
Sarda Prasad	1921	"	III	..
Sarju Misra	1923	"	II	II
Satish Chandra Mukerji	1920	"	III	II
Satyamshu Mohan Mukhopadhyaya	1923	"	II	III
Satyendra Nath Chatterji	1921	"	III	II
Shadi Ram Mehta	1923	"	II	III
Shambhu Nath	1922	"	II	III
Shambhu Nath Bakshi	1922	"	III	
Sheo Dayal	1920	"	II	II
Sheo Dutta Umrao Singh Bisnoi	1923	"	I	II

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Sheo Prasad	1920	T. T. C.	II	II
Shiam Sundar Lal	1924	„	II	II
Shishir Kumar Mukerji	1922	„	II	..
Shitla Prasad Misra	1920	„	II	III
Shiva Dayal Dargan	1924	„	II	III
Shiva Dayal Leekha	1922	„	III	III
Shiva Dulare Tiwari	1922	„	II	III
Shiva Dulare Tiwari	1921	„	III	
Shiva Kumar Bhattacharjee	1921	„	III	
Shiva Kumar Dikshit	1922	„	II	III
Shiva Kumar Lal Shrivastava	1923		II	II
Shivanand Tiwari	1923		III	III
Shiva Prasad Dube	1922		II	III
Shiva Prasad Pandey	1925		II	III
Shiva Sagar Misra	1925		II	III
Shri Narayanlal Srivastava	1922		II	II
Shri Krishna Topa	1923		II	III
Shree Shankar Yajnik	1921		III	III
Shridhar Sharma Pant	1920		III	II
Shriman Narayana Shrivastava	1925		III	III
Shyam Bihari Upadhyaya	1922		II	III
Shyam Sundar Sharma	1924		II	III
Sidheshwar Prasad Nigam	1923		II	III
Sidh Nath	1921		III	II
Sita Ram Pant	1921		II	III
Soma Datta Pury	1920		III	II
Sri Gopal Narayan Ray	1921		III	III
Sri Krishna Gopal	1919		II	III
Srish Chandra Chakravarty	1921-22		III	III
Sudhamsu Shekhar Chatterji	1921		III	..
Sukhu Ram Chopra	1924		II	III
Suresh Chandra	1922		II	III
Surya Kumar Srivastava	1924		III	III
Surya Prasad Chaturvedi	1923		III	III

Name of candidate.	Year.	Name of College.	Passed in Class.	
			Th.	Pr.
Tara Chand Pandit	1925	T. T. C.	II	II
Uma Nath Banerji	1919	"	"	II
Upendra Chandra Dutta	1920	"	III	II
Vasudeo Sharma	1923	"	II	III
Virendra Vidyarthi	1922	"	II	II
Vishnu Bhaskar Kelkar	1919	"	II	II
Vishveshwar Sharma	1925	"	II	III
Vishwambhar Dayal	1920	"	II	II

BACHELOR OF ARTS.

Name.	Year.	College.	Class.
Achyutananda Misra	1925	C.H.C.	II
Achyut Sitaram Patwardhan	1925		III
Aditya Narain Singh	1925		II
Aftab Singh Choudhari	1922		III
Agarwal Ram Bharose	1924		II
Akhauri Ram Naresh Sinha	1924	"	III
Aklouri Braj Kumar Singh	1922	"	III
Akshai Singh Dangi	1921	"	II
Akshayabat Singh	1922	"	III
Amar Nath	1919	"	II
Amba Dutt Pant	1924	"	III
Ambika Prasad Pandeya	1925		III
Amrit Mukund Pathak	1924		II
Amulya Chandra Mukerji	1919		II
Amulya Narayan Biswas	1923		III
Anand Murti	1923		(Comp.)
Ananta Sharan Ojha	1925		III
Arabinda Bandhu Nath	1920	"	III
Ashutosh Verman	1924	"	II
Askaran Goswami	1924	"	II
Atul Chandra Ganguli	1918		III
Audh Behari Singh	1922		III
Avadhesh Narain Singh	1924		III
Avadh Kishore Sahay Varma	1921		II
Ayodhya Prasad	1921		II

Name.	Year.	College.	Class.
Baboolal Dave	1924	C.H.C.	II
Baboo Rama	1919		III
Babu Nandan Singh	1920		III
Babu Ram Vaish	1922		II
Bachchan Misra	1925		II
Bachchoo Lal Dixit	1922		III
Badri Narain Singh	1920		III
Baijnath	1922		III
Baijnath Das	1921		III
Baijnath Sahai Asthana	1919		III
Baijnath Singh	1920		III
Bala Datta	1919		III
Baldeo Prasad	1922		III
Baldeo Prasad Singh	1925	,	II
Baldev Upadhyaya	1920	,	II
Balleshwar Prasad	1919	,	II
Balleshwar Upadhyaya	1922		III
Ballabh Das	1925		II
Ballu Krishnalal Mazumdar	1924		II
Balram Prasad Gupta	1925		III
Balram Rambaran Upadhyaya	1922		I
Bamadeva Upadhyaya	1920		II
Banke Bahadur Singh	1925		III
Bankey Beharee Prasad	1925		(Comp)
Banshi Dhar Singh	1920		II
Bansidhar Misra	1925		III
Banwari Lal Saksena	1920		(Comp)
Banwari Lal Vaishya	1919		III
Bashist Narayan Roy Sharma	1925		III
Basudeo Bajpai	1923		III
Basudeo Tiwari	1922		III
Bechan Ramsingh	1922		II
Bechu Mishra	1924		III
Beni Madhava Tewari II	1920		III
Beni Madho Tewari	1920		III
Beni Prasad Gupta	1918		II

Name.	Year.	College.	Class.
Bepin Behari Mazumdar	1918	C.H.C.	III
Bepindeva Bhattacharya	1925	"	III
Bhagabati Prasanna Sanyal	1920	"	III
Bhagawati Prasad	1922	"	III
Bhageloo Prasad	1923	"	II
Bhagirath Sinha	1923	"	III
Bhagwat Datta Thakore	1924	"	II
Bhagwati Din Tewari	1925	"	III
Bhagwati Prasad III	1923	"	III
Bhagwati Prasad Misra	1920	"	III
Bhagwati Prasad Sinha	1918	"	I
Bhagwati Shankar	1920	"	III
Bhaiyalal Jain	1923	"	III
Bhajanlal Sanyal	1925	"	II
Bhaskar Dutt Mishra	1925	"	II Honns. in Sans
Bhau Balvant Bhate	1925	"	III
Bhikhan Lal Atreya	1921	"	II
Bhola Dat Chandola	1924	"	II
Bhola Datt Tewari	1923	"	II
Bholanath Pandeya	1925	"	III
Bimal Chandra Basu	1919	"	III
Bindbasni Prasad	1923	"	III
Bindbasni Sinha	1923	"	III
Bindhyachal Prasad Verma	1925	"	III
Bireswar Kanjilal	1923	"	II
Bishambhar Singh	1921	"	(Comp.)
Bisheshwar Prasad	1924	"	III
Bishwanath Prasad	1920	"	II
Bishwanath Singh	1919	"	II
Bishwambhar Dutta	1925	"	III
Bahukhandi			
Bishwambhar Sahay	1923	"	III
Brahma Swaroop Khare	1925	"	III
Braj Behari Tandon	1925	"	(Comp)
Braj Kumari Hukku	1918	Private.	II
Braj Mohan Nath Chak	1919	"	III

Name	Year.	College.	Class.
Braj Narayan Sinha	1925	C.H.C.	II
Brajnath Dube	1924	,,	III
Brij Basila! Saksena	1924	,,	I Hons, in Persian
Brijlal Sharma	1920	,,	III
Brijmohan Lal	1921	,,	II
Brijmohanlal Bhatnagar	1924	,,	III
Chhannulal Sharma	1922	,,	III
Chhatradhari Singh	1920	,,	II
Chamanlal Sangal	1922	,,	II
Champhubai B. Shringarpure	1921	,,	III
Chandanlal Agarwal	1924	,,	II
Chandra Bhal Sharma	1924	,,	II
Chandra Bhushan Chatterji	1918	,,	III
Chandra Bhushan Ojha	1921	,,	II
Chandradhar Rai	1922	,,	III
Chandrama Prasad	1922	,,	III
Chandrama Prasad	1920	,,	III
Chandra Shekhar Pande	1919	,,	III
Chaudhari Ambadas			
Sadashiva	1920	,,	III
Chimmanlal Goswami	1920	,,	I
Chunnilal	1920	,,	III
Dalsingar Lal	1923	,,	III
Damodar Das	1919	,,	III
Damodar Prasad	1922	,,	II
Dashrath Tiwari	1923	,,	III
Dattatraya Hunamant			
Chandavaskar	1920	,,	II
Dayanidhi Pathak	1921	,,	III
Debendra Chandra Chatterji	1919	,,	III
Debi Dat Fuloria	1920	,,	II
Debi Prasad	1922	,,	II
Deep Chandra	1922	,,	II
Deo Bhushan Tiwari	1918	,,	III
Deo Kali Din Sharma	1922	,,	III
Deoki Nandan Lal	1921	,,	II

Name.	Year.	College.	Class.
Deoki Nandan Pande	1921	C.H.C.	II
Deo Nath Jati	1919	"	II
Deva Nandan Shukla	1924	"	III
Devi Narayan	1919	"	III
Devi Prasad Srivastava	1924	"	II
Dhanpat Prasad Gupta	1924	"	III
Dhanpat Singh	1925	"	II
Dharam Nath	1919	"	II
Dharam Prakash I	1923	"	III
Dhunmun Prasad	1923	"	II
Dibyendra Prasad Sanyal	1925	"	III
Diwan Singh Jaiwar	1924	"	III
D. Subramaniam	1921	"	III
Dub Nath Upadhya	1925	"	(Comp)
Durga Das Nag	1924	"	III
Durga Vinaek Prasad	1922	"	III
Durgeshwari Dayal	1922	"	II
Dwarika Prasad Hiralal			
Dvivedi	1922	"	III
Dwarka Prasad	1923	"	III
Dwarka Prasad Pathak	1923	"	III
Fateh Narayan Das	1923	"	III
Ganapati Paranjape	1925	"	III
Ganesh Datt Shastri	1923	"	I Hons. in English
Ganesh Nath Sheo Dutt			
Trivedi	1921	"	II
Ganesh Prasad	1919	"	III
Ganesh Shanker Chunekar	1919	"	III
Ganesh Sesh Rao Jadav	1925	"	III
Ganesh Singh	1923	"	III
Ganga Dutt Pande	1921	"	II
Ganga Prasad	1919	"	III
Ganga Prasad Srivastava	1925	"	II
Ganpati Lal Jha	1921	"	III
Ganpat Rao Hoshing	1923	"	III
Gargi Devi Asthan	1925	"	III

Name.	Year.	College.	Class.
Gaurishankar Chaube	1924	C.H.C.	III
Gaya Prasad Shukla	1925	"	II
Gaya Singh	1925	"	III
Ghanshyam Das	1919	"	III
Girdhar Das Parikh	1924	"	III
Girjapati Upadhyaya	1919	"	III
Girija Prasad	1919	"	II
Girija Shanker Agnihotry	1922	"	III
Girija Shanker Tewari	1922	"	III
Girindra Narain	1920	"	III
Girwar Narain Singh	1925	"	III
Gobardhan Das	1920	"	III
Gokul Chandra Shukla	1925	"	II
Gopal Narayan Shivpuri	1922	"	II
Gopal Pandurang Nawa- salker	1919	"	II
Gop Narayan Sharma	1918	"	III
Gorakh Nath Pande	1924	"	III
Gottemukkula Satyanarayana Raju	1923	"	III
Gouri Nandan Upadhyaya	1921	"	III
Govind Chandra	1920	"	II
Govinda Das	1918	"	II
Govind Malaviya	1924	"	II
Govind Nilkanth Hastak	1924	"	II
Govind Prasad Dabral	1921	"	III
Govind Saran Pande	1922	"	II
Gulab Shankar Pandya	1923	"	III
Gunjaman Singh	1925	"	III
Gupteshwar Singh	1920	"	II
Gurdeo Sahai	1919	"	II
Gur Narain Bilgrami	1918	"	III
Hanuman Prasad Jalote	1920	"	II
Hardeo Singh	1919	"	II
Hardwar Prasad Gupta	1925	"	III
Harians Kumar	1925	"	III

Name.	Year.	College.	Class.
Hari Das Pakrasy	1921	C.H.C.	III
Harihar Nath Sinha	1924	"	II
Hari Har Prasad Singh	1922	"	II
Hari Krishna	1923	"	III
Hari Nandan Sinha	1920	"	II
Hari Nanda Sharma	1919	"	II
Hari Pada Banerji	1920	"	II
Hari Pada Roy	1919	"	III
Hari Prasanna Datta	1923	"	III
Hari Ram Dikshit	1920	"	III
Hari Ram Hoshing	1921	"	III
Hari Shanker	1923	"	III
Hari Shanker I	1921	"	III
Hari Shanker Singh	1923	"	III
Harishchandra Khanna	1925	"	(Comp.)
Harsha Chandra	1923	"	II
Hazari Lal Jain	1924	"	II
Hoshiar Singh	1922	"	II
Hotilal Taga	1923	"	III
Hriday Narain Roy	1925	"	III
Hrishi Kesh Chakraverti	1921	"	III
Hrishi Kesh Chandra Roy	1923	"	III
Indu Shekhur Moitra	1921	"	III
Ishwar Datta Tripathi	1925	"	III
Ishwar Sahai	1925	"	III
Ishwar Saran	1925	"	III
Jagadeva Prasad Gupta	1919	"	III
Jagadish Chandra Chakraverty	1920	"	III
Jagannath Mishra	1925	"	III
Jagannath Pande	1922	"	III
Jagannath Prasad	1921	"	(Comp.)
Jagannath Prasad	1922	"	III
Jagannath Prasad I	1925	"	III
Jagannath Prasad III	1925	"	III
Jagannath Prasad Misra	1925	"	(Comp.)

Name.	Year.	College.	Class.
Jagannath Roy	1923	C.H.C.	II
Jagannath Sastri Bharadwaj	1924	"	III
Jagatpati Ray Sharma	1925	"	III
Jagat Pratap Singh	1924	"	II
Jagdeo Rai	1925	"	III
Jagdeo Rai Sharma	1924	"	III
Jageshwar Prasad Saksena	1922	"	II
Jagmohanlal Varma	1919	"	III
Jagnandan Lal	1923	"	I Hons
Jai Krishna	1922	"	II
Jai Mangal Rai	1922	"	III
Jamuna Prasad Narayan Sinha	1922	"	II
Janakiraman Mishra	1924	"	II
Janak Prasad Dikshit	1922	"	II
Janardan Dvivedi	1923	"	III
Jasoda Nandon	1923	"	II
Jaswant Singh	1924	"	II
Jayadeva Narayan Sinha	1923	"	III
Jhandu Datta Sharma	1923	"	II
Jharkhandeya Pathak	1925	"	III
Jitendra Deb Bhattacharya	1925	"	III
Jitendra Nath Ghose	1922	"	III
Jitendranath Mukherjee	1920	"	II
Jitendranath Sanyal	1919	"	III
Jitendranath Sinha	1922	"	III
Joges Prasad Sen	1918	"	III
Jokhu Singh	1925	"	III
Jwala Prasad Sharma	1924	"	III
Jwala Prasad	1922	"	III
Kalindi Prasad	1925	"	Comp.
Kali Prasad Sinha	1919	"	III
Kamala Kant Malaviya	1921	"	(Comp)
Kamalakar Choube	1921	"	III
Kamalapati Dwivedi	1919	"	II
Kameshwar Prasad	1924	"	Comp.

Name.	Year.	College.	Class.
Kamla Sahai	1925	C.H.C.	II
Kamta Prasad Gupta	1923	,,	II
Kanhaiya Dayal Dutta	1925	,,	Comp.
Kanhaiyalal Misra	1922	,,	III
Kanhaiyalal Mishra	1925	,,	II Hons. in Econ.
Kanhaiya Singh	1920	,,	II
Kanhaiya Singh	1924	,,	II
Karkul Narayan Pai	1923	,,	II
Kashi Nath Sharma	1925	,,	III
Kashi Prasad Misra	1920	,,	III
Kashi Ram	1919	,,	III
K. Arunachalam	1919	,,	I
Kedar Nath	1918	,,	III
Kedar Nath	1921	,,	II
Kedar Nath Pandit	1918	,,	III
Kerala Varma	1924	,,	II
Keshava Prasad	1921	,,	III
Keshava Rai	1919	,,	III
Keshav Anantrao Kalele	1923	,,	II
Keshav Chandra Shukla	1923	,,	II
Keshav Prasad Singh	1924	,,	III
Keval Krishna Choudhary	1924	,,	III
Khalil Ahmad	1924	,,	II
Khandubhai Nichhabhai Naik	1925	,,	II Hons. in Sans.
Khush Chand Srivastava	1924	,,	III
Kishori Lal	1922	,,	III
Kripa Shankar	1919	,,	III
Krishna Bahadur Singh	1922	,,	II
Krishna Behari Lal	1921	,,	III
Krishna Behari Upadhyaya	1924	,,	II
Krishna Datta Agnihotri	1922	,,	II
Krishna Deo Narain Singh	1921	,,	III
Krishna Deo Tiwari	1923	,,	I
Krishna Deo Upadhyaya	1924	,,	III
Krishnaji Ballal Phansalkar	1920	,,	II
Krishna Nand Pant	1922	,,	II

Name.	Year.	College.	Class
Krishna Nand Shastri	1921	C.H.C.	III
Krishna Narain Rai	1925	"	III
Krishna Narain Singh	1922	"	II
Krishna Yadavrao Mahajan	1922	"	II
Kshirod Gopal Mukho- padhyaya	1925	"	III
K. Swaminatham	1918	"	III
Kumbhakonam Raja Gopala- chari	1919	"	II
Kundan Lal	1919	"	III
Kundan Singh	1923	"	III
Kunwar Krishna Koul	1919	"	II
Kunwar Ram Singh	1924	"	II
K. Ranga Rao	1922	"	II
Kuver Dat	1923	"	II
Lajwanti Gupta	1925	"	III
Lakshman Das	1918	"	III
Lakshman Sahaya Srivastava	1923	"	III
Lakshmi Datta Jha	1922	"	III
Lakshmi Narain	1922	"	II
Lakshmi Narain Mital	1918	"	III
Lakshmi Narain Pandey	1922	"	III
Lakshmi Prasad Varma	1923	"	III
Lal Behari Singh	1922	"	III
Laldhari Lal	1921	" (Comp.)	
Lalita Prasad Saksena	1925	" (Comp.)	
Lalit Kumar Chattopadhyaya	1920	"	III
Lalilo Singh	1925	"	III
Lallu Ram Tiwari	1924	" (Comp.)	
Leela Dhar Jha	1918	"	III
Loka Nath Pande	1922	"	III
Lokendra Mohan Sen	1919	"	III
Loknath Singh	1925	" (Comp.)	
Madan Gopal Sinha	1924	"	II
MadanMohan Lal Srivastava	1921	"	III
Madhava Charan	1922	"	III

Name.	Year.	College.	Class.
Madhava Sakharām Patankar	1925	C. H. C.	II
Madhuri Mohan Mehrotra	1925	"	III
Madhu Sudan Pande	1920	"	III
Mahabir Prasad Gupta	1919	"	III
Mahabir Prasad Tiwari	1922	"	III
Mahadeo Prasad	1921	"	III
Mahendra Chandra Roy	1918	"	III
Mahesh Datta Bajpai	1919	"	III
Mahesh Prasad Trivedi	1923	"	III
Maheshwar Dayal Tewari	1919	"	II
Maheshwari Datta Srivastava	1921	"	III
Mahipati Misra	1925	"	II
Mahipat Ram Nagar	1918	"	III
Makunda Lal Basak	1921	"	III
Malati Bai Kelkar	1925	"	II
Mangala Prasad Roy	1921	"	III
Mangal Singh	1920	"	III
Mangal Sen Mehrotra	1924	"	III
Mangal Prasad Singh	1925	"	III
Maniklal Merh	1924	"	III
Mani Lal B. Desai	1925	"	II
Mannoo Lal Misra	1924	"	II
Manohar Lal Nigam	1922	"	III
Mansoor Husain	1921	"	III
Manzoor Alam	1920	"	III
Markandeya Prasad Pathak	1923	"	III
Markandey Prasad Pathak	1920	"	III
Maya Shankar	1920	"	III
Megh Narayan Roy	1921	"	III
Mirza Mohammad Hasan	1925	"	III
Misri Lal Singh	1923	"	III
Mithan Lal Gupta	1922	"	III
Mohan Lal	1921	"	III
Mohammad Ahmad	1925	"	III
Mritunjay Sahai	1922	"	III
Mukat Behari Lal Gupta	1923	"	III

Name.	Year.	College.	Class.
Mukund Ram	1923	C. H. C.	III
Multan Singh Varma	1921	"	III
Munna Lal	1925	"	III
Murari Mohan Dey	1920	"	II
Murli Dhar Agrawal	1924	"	II
Nand Kishore Singh	1925	"	III
Nand Lal Bhardoaj	1919	"	III
Nand Lal Varma	1923	"	III
Nanhku Ram Singh	1923	"	II
Nani Gopal Pakrasy	1922	"	III
Narayan Bhaskar Gharpure	1920	"	II
Narayan Bhumayya			
Javadiwar	1919	"	II
Narayan Das	1921	"	III
Narayan Dvivedi	1923	"	III
Narayan Shamrao Jakate	1925	"	(Comp.)
Narendra Narsingh Rana	1922	"	(Comp.)
Narottam Das Khattri	1921	"	II
Narottam Lal	1919	"	II
Narottama Dasa Swamy	1925	"	II
Nawal Kishore Varma	1919	"	II
Nawal Bihari Mehrotra	1925	"	III
Nayan Ranjan Ray	1923	"	III
Nihar Kumar Basu	1925	"	(Comp.)
Nil Kanth Tiwari	1919	"	II
Nirmal Chandra Chatterji	1919	"	II
Nityanand Singh	1925	"	III
Omprasad Gupta	1924	"	III
Onkar Prasad	1925	"	III
Onkar Prasad Verma	1924	"	III
Padam Prasad Kapil	1922	"	II
Padmadatta Pande	1920	"	II
Panjab Rao Deo Rao			
Deshmukh	1924	"	(Comp.)
Panna Lal	1924	"	III
Pannalal Mahadeolal Umre	1925	"	III

Name.	Year.	College.	Class
Paramesh Prasanna Mukerji	1918	C. H. C.	III
Parmanand Chaubey	1923	"	III
Parmanand Das	1921	"	III
Parmanand Khatri	1922	"	II
Parmatma Sharan Vaish	1918	"	III
Parmeshwar Nath Munshi			
Shangalo	1920	"	III
Parmeshwar Narayan			
Chakravarty	1919	"	II
Parshadi Lal Sharma	1925	"	II
Parshwa Nath Singh	1925	"	III
Penmetcha Chalapati Raju	1925	"	III
Phani Bhushan Roy	1919	"	III
Piara Lal Srivastava	1925	"	III
Pitamber Dutt Pasbola	1919	"	II
Prabhash Chandra Basu	1920	"	III
Prabhu Dayal Tandon	1925	"	II
Prabhu Narayan Gaur	1925	"	III
Prahlad Singh	1924	"	III
Prafulla Kumar Chatterji	1920	"	III
Pramatha Nath Chakraverty	1920	"	II
Prasidh Narayan Gour	1920	"	II
Pratab Narayan Singh	1921	"	II
Prem Singh Rawat Chandela	1921	"	III
Protul Kumar Mittra	1924	"	III
Purna Chandra Ray	1918	"	III
Purushottam Das	1920	"	II
Purushottam Prasad Pandey	1921	"	III
Purushottam Prasad Pande	1924	"	III
Purushottam Hari Patwar-			
dhan	1924	"	II
Puttulal Misra	1925	"	III
Pyare Mohan Mathur	1922	"	III
Radha Behari Nigam	1919	"	II
Radha Krishna	1919	"	II
Radha Krishna	1920	"	II

Name.	Year.	College.	Class.
Radha Krishna Shukla	1922	C. H. C.	III
Radha Mohan Prosad	1923	"	III
Radha Prasad	1925	"	II
Radhey Shyam	1925	"	III
Radhika Prasad Singh	1924	"	II
Raghunandan Prasad	1925	"	III
Raghubir Singh Thakur	1924	"	II
Rama Din	1924	"	(Comp.)
Raghunand Shanker Mathur	1922	"	III
Raghunath Prasad Srivastava	1924	"	II
Raghunath Roy Sharma	1921	"	III
Raghunath Sinha	1923	"	II
Rai Raja Ram Sharma	1925	"	III
Raja Rama	1923	"	II
Raja Ram Chaubey	1918	"	III
Raja Ram Pandey	1920	"	III
Raja Rama Vajpai	1922	"	III
Raja Ram Varma	1923	"	III
Raj Bahadur Gupta	1921	"	II
Raj Bahadur Lall	1924	"	III
Raj Bahadur Lal Mathur	1920	"	II
Raj Deo Upadhyaya	1924	"	III
Rajendra Bahadur Singh	1925	"	III
Rajendra Chandra	1925	"	III
Rajendralal Bhaduri	1923	"	III
Rajendra Narayana Lal	1923	"	III
Rajendranath Lahiri	1925	"	III
Rajendra Singh	1920	"	III
Raj Kishore Narayan	1922	"	III
Raj Kishore Tandon	1923	"	III
Raj Kumar Singhal	1923	"	II
Raj Narain Lal	1923	"	III
Raj Narayan Singh	1921	"	III
Raj Narayan Singh	1925	"	III
Raj Narayan Singh Choudhary	1924	"	III
Rama Badan Lal	1919	"	III

Name.	Year.	College.	Class.
Rama Briksh Singh	1924	C.H.C.	III
Rama Chandra Prasad	1925	"	III
Rama Chandra Rai Sharma	1925	" (Comp.)	
Rama Datt Agnihotri	1923	"	III
Ramagyan Dwivedi	1922	" (Eng.Hons.)	I
Rama Nivas Agarwala	1925	"	II
Rama Janma Singh	1925	"	II
Rama Kant Rao	1918	"	II
Ramakrishna Gupta	1922	"	II
Ramanath Srivastava	1922	"	II
Rama Pati Khanduri	1924	"	III
Rama Raja Singh	1925	"	III
Rama Rishi Sharma	1923	"	III
Rama Shakal Singh	1924	"	III
Rama Shankar I	1920	"	II
Rama Shankar II	1920	"	III
Ramanath Prasad	1922	"	II
Rama Swarup Singh	1924	"	III
Ramavatar Misra	1923	"	III
Ram Bodh Singh	1923	"	III
Ram Bujharat Singh	1923	"	II
Ram Chandra Chowdhary	1919	"	III
Ram Chandra Govind Siras	1925	"	I
Ram Chandra Gunesh Agashe	1920	"	III
Ram Chandra Khanna	1920	"	III
Ram Chandra Narhar Deshpande	1920	"	II
Ram Chandra Pande	1918	"	III
Ramdeo Agarwala	1919	"	III
Ram Dulare Trivedi	1925	"	III
Ramendra Prasad Sinha	1919	"	III
Ramesh Chandra De	1925	" (Comp.)	
Ramesh Datta Pathak	1924	"	II
Rameshwar Prasad Agrawal	1924	"	III
Rameshwar Prasad Dube	1922	"	III
Ram Gopal Gupta	1921	"	III
Ram Harakh	1918	"	II

Name.	Year.	College.	Class.
Ram Karan Singh	1925	C.H.C.	III
Ram Kripal Mishra	1923	"	II
Ram Kumar Chaube	1919	"	II
Ram Lal Lahariya	1919	"	III
Ram Narayan Singh	1924	"	III
Ram Nareshlal	1925	"	III
Ram Niranjana Choube	1925	"	III
Rampal Singh	1922	"	III
Ram Pyare Acharya	1924	"	II
Ram Raj Dube	1925	"	III
Ram Roop Singh	1922	"	(Comp.)
Ram Shakal Misra	1925	"	II
Ram Shankar Misra	1923	"	III
Ram Shankar Pandya	1925	"	II
Ram Ugrah Singh	1925	"	II
Ram Ugrah Singh	1922	"	II
Ranga Nath Sharma	1923	"	II
Rash Behari Roy	1924	"	III
Ravi Sharan Verma	1922	"	III
Rishavdeo Singh	1924	"	III
Rishishwar Nath Raina	1925	"	II
Roshan Singh	1923	"	III
Rudra Narayan Vidyarthi	1922	"	III
Rai Krishna Chandra	1924	"	II
Safat Ahmed	1919	"	II
Sahdeo Singh	1918	"	III
Sahibzada Singh	1923	"	III
Samander Lal Goyal	1922	"	III
Samarjit Upadhyay	1923	"	III
Sambhu Dayal Misra	1919	"	III
Sankata Prasad	1921	"	(Comp.)
Sant Ram Krishna Sitaram	1920	"	III
Saravati Dutt Pande	1924	"	III
Saraswati Din Pande	1924	"	II
Sarda Charan	1920	"	II
Sarju Misra	1921	"	II

Name.	Year.	College.	Class
Sarju Prasad	1923	C.H.C.	III
Saryu Prasad Sinha	1924	"	II
Satanand Sharma	1925	"	II
Satish Chandra Chakravarty	1924	"	III
Satish Chandra Gupta	1918	"	III
Satyadeo Singh	1923	"	III
Satya Jivan Varma	1922	"	II
Satyamshu Mohan Mukhopadhyaya	1920	"	II
Satyanarayan Choudhry	1920	"	II
Shailendra Chandra Roy	1919	"	III
Shaileswar Prasad	1925	"	III
Shanibhu Narayan Chaube	1925	"	III
Shambhu Nath	1920	"	III
Shambhu Nath	1924	"	III
Shambhu Nath Varma	1919	"	II
Shambhu Nath Varma	1921	"	(Comp.)
Shambhu Singh	1923	"	III
Shamsher Bahadur Singh	1925	"	III
Sham Rao Govind Rao Pathak	1925	"	III
Shankar Narayan Lal	1922	"	(Comp.)
Sahnti Adhikari	1925	"	II
Sharda Prasad Srivastava	1925	"	III
Sheo Sharan Pandeya	1923	"	III
Shesh Datta Tripathi	1924	"	III
Shiam Lal Tiwari	1925	"	III
Shiam Lal Sharma	1925	"	III
Shiam Sunder Lal	1922	"	II
Shitala Prasad Singh	1922	"	III
Shital Prasad Dube	1923	"	III
Shitla Prasad Srivastava	1925	"	(Comp.)
Shiva Datt Tripathi	1919	"	II
Shiva Kant Tripathi	1922	"	II
Shiva Kumar Bhattacharjee	1920	"	III
Shiva Kumar Lal Srivastava	1922	"	II
Shiva Kumar Sharma	1923	"	II

Name.	Year.	College.	Class.
Shiva Mangal Pande	1924	C.H.C.	II
Shivananda Tewary	1922	"	III
Shiva Naresh Singh	1924	"	III
Shiva Shankar	1922	"	III
Shiva Pher Singh	1923	"	III
Shiv Prasad Dube	1921	"	III
Shiva Prasad Dvivedi	1925	"	II
Shiva Prasad Pande	1924	"	III
Shree Narayan Singh	1925	"	II
Shridhar Singh	1924	"	II
ShrimanNarayanya Shrivastava	1924	"	III
Shri Nandan	1920	"	III
Shri Narain Singh	1925	"	III
Shri Ram Upadhya	1919	"	III
Shri Ratna Shukla	1925	"	II
Shyama Charan Banerji	1923	"	II
Shyam Behari Upadhyaya	1921	"	II
Shyam Kishore	1921	"	III
Shyam Narayan Roy	1921	"	II
Shyam Narayan Varma	1918	"	III
Siddha Narain Tiwari	1920	"	III
Sinhasan Singh	1925	"	III
Sitarama	1925	"	(Comp.)
Sita Ram Asthana	1919	"	II
Sita Ram Jai Ram Joshi	1924	"	II
Sita Ram Pant	1920	"	III
Sita Ram Singh	1925	"	III
Snehalata Devi	1923	"	III
Sobhan Singh	1922	"	II
Soti Ram Kumar	1925	"	(Comp.)
Sudhir Chandra Ganguly	1922	"	III
Suhrid Chandra Chowdhury	1920	"	II
Sundarlal Dvivedi	1925	"	(Comp.)
Sunil Chandra Mukherji	1922	"	III
Sunit Kumar Tagore	1921	"	II
Suraj Karan Pareek	1924	"	II

Name.	Year.	College.	Class.
Suraj Pal Singh	1922	C.H.C.	III
Suraj Prasad Dube	1919	"	II
Suresh Chandra	1920	"	III
Surya Karan Acharya	1920	"	III
Surya Narayan Sinha	1925	"	III
Surya Narayan Singh II	1925	"	III
Surya Prasada Chaturvedi	1922	"	III
Sushil Chandra Biswas	1922	"	III
Swami Sahaya	1920	"	III
Syed Imamuddin Rizvi	1924	"	II
Tanjore Jaganadham Purshottam	1919	"	III
Tapesh Chandra Chatterji	1924	"	(Comp.)
Tapeshwari Nath	1920	"	III
Tara Mohan De	1925	"	III
Tarini Sharan	1925	"	III
Tej Narain Sharma	1919	"	II
Thakur Dubey	1919	"	II
Thakur Datt Chaudhuri	1923	"	III
Thakur Raj Kishore Sinha	1920	"	II
Thakur Saran Singh	1924	"	III
Tilakdhari Singh	1925	"	III
Tinkari Das	1925	"	III
Tribeni Prasad Bajpai	1925	"	II
Tribeni Datta Misra	1921	"	III
Tribeni Saran Roy	1924	"	III
Tribikram Narayan Sinha	1922	"	III
Udit Narayan Pandeya	1925	"	III
Umanand Uniyal	1924	"	III
Uma Shankar Ojha	1920	"	II
Umasha Mishra	1920	"	III
Virendra Vidyarthi	1921	"	II
V. Sarveshwar Rao	1920	"	II
Vishnu Datt Vyas	1923	"	II
Vishnu Deo Narayan	1921	"	III
Vishnu Datt Upadhyaya	1923	"	III

Hons. in
Sams.
and
Hindi.

Name.	Year.	College.	Class.
Vishnu Narain	1922	C.H.C.	III
Vishwambhar Dayal Tripathi	1924		II
Vishwanath Choube	1925		II Hons. in Hindi.
Vishwanath Pandey	1922		III
Vishwanath Pandey	1924		III
Vishwanath Prasad	1925	,,	III
Vishwanath Sahai	1923	,,	II Hons. in Phil.
Vishwanath Shastri Bhara- dwaj	1921		III
Vishwanath Prasad Srivastava	1923		III
Vishwanath Singh	,, 1920	,,	III
Yadunath Prasad	1918	,,	III
Yagya Datta	1924	,,	III
Yajna Narayan Misra	1924		III
Yantra Ram	1920		III

MASTER OF SCIENCE.

Name.	Year.	College.	Class
Akshaibar Lal (Bot.)	1924	C.H.C.	II
Ashutosh Ganguli (Chem.)	1925	,,	I
Ashutosh Majumdar (Chem.)	1921	,,	II
A. Sivarama Menon (Chem.)	1925	,,	II
Avadhesh Narayan Singh (Maths.)	1924	,,	II
Badrinath Prasad (Maths.)	1921	,,	I
Baidyanath Majumdar (Physics.)	1923	,,	II
Bholanath Singh (Bot.)	1924	,,	I
Bireshwar Chandra Banerjee (Maths)	1922	,,	II
Bisheshwar Prasad (Maths.)	1919	,,	III
Boyanapalle Lakshman Rao (Chem.)	1924	,,	II
Brajmohan Dabral (Bot.)	1924	,,	I
Chandra Bal (Zool.)	1923	,,	II
Chandra Shekhar Vajpai (Maths.)	1918	,,	III
Chhittarmal Sogani (Physics.)	1919	,,	I

Name.	Year.	College.	Class.
Coimbatore Sadashiva Krishnamurti (Bot.)	1921	C.H.C.	III
Dasharath Lal Srivastava (Chem.)	1924	"	I
Dhiranjoy Bhattacharya (Physics)	1925	"	II
Dhirendra Mohan Mukerji (Chem.)	1923	"	I
Dhirendra Nath Bandyopadhyaya (Chem)	1919	"	III
Gayatri Upadhyaya (Maths.)	1922	"	I
Gopal Chandra Mukerji (Phys)	1921	"	I
Gorakh Prasad (Maths.)	1918	"	I
Hari Chand Ahuja (Botany)	1921	"	II
Hari Gopal Roy (Maths.)	1921	"	II
Joshi Shridhar Sarvottam (Chem.)	1923	"	I
Kanhaiyalal Tiwari (Physics)	1923	"	III
Kaushal Kishore Bhargava (Chem.)	1919	"	II
Krishna Chandra Banerji (Chem.)	1923	"	III
Krishna Kumar (Bot)	1925	"	II
Kulkarni, Dattatray Anant (Chem.)	1925	"	I
Lakshmi Prasad Mathur (Zool.)	1920	"	I
Makkhan Lal (Maths.)	1924	"	II
M. L. Sitaraman (Chem.)	1924	"	II
Niranjan Lal Sharma (Geol.)	1924	"	II
Phanindra Nath Roy (Chem.)	1920	"	I
Piara Mohan (Maths)	1924	"	II
Pratap Singh Negi (Zool)	1925	"	II
Protul Chandra Ghose (Phys.)	1921	"	II
Rabindra Prasad Sanyal (Chem.)	1922	"	I
Radha Raman Dube (Chem.)	1924	"	I
Rafiq Ahmad Khan (Bot.)	1923	"	I
Raghunath Sabai Gupta (Chem)	1925	"	II
Raj Kishore (Maths.)	1920	"	III
Rajwant Singh (Maths.)	1921	"	II
Rama Narain Misra (Chem)	1924	"	II
Ram Chandra Saxena (Zool)	1924	"	II
Ram Das Lahiri (Maths)	1923	"	II
Ram Kishore Sharma (Physics.)	1922	"	II

Name,	Year.	College.	Class
Ram Kumar Saksena (Bot.)	1922	C.H.C.	II
Sada Shiv Rao Gethe (Maths.)		"	II
Sant Bahadur Singh (Bot.)	1924	"	I
Sant Singh Verma (Bot.)	1925	"	II
Shambhu Prasad Naithani (Bot.)	1923	"	III
Shashadhar Chatterji (Zool)	1924	"	II
Sheo Prasad (Chem.)	1924	"	I
Sohan Lal (Maths.)	1920	"	II
Shri Ranjan (Bot.)	1923	"	II
Sudhamsu Sekhar Chatterji (Maths.)	1920	"	II
Tara Dutt Pande (Bot.)	1924	"	II
Tikam Singh Sharma (Chem)	1924	"	II
Vidya Sagar Dubey (Geol.)	1924	"	II

BACHELORS OF SCIENCE.

Name.	Year.	College.	Class.
Akshoy Kumar Bhattacharji	1924	C.H.C.	III
Amarendra Chandra Roy	1923	"	III
Amba Dat Chaudhari	1920	"	II
Amulya Kumar Banerjee	1925	"	III
Ashutosh Ganguli	1923	"	II
Ashutosh Majumdar	1919	"	II
Avadhesh Nandan Sahay	1924	"	II
Avadhesh Narayan Singh	1922	"	II
Badri Dass	1920	"	III
Badri Narayan	1925	"	II
Baidyanath Majumdar	1920	"	III
Baijnath Gupta	1920	"	II
Baijnath Khattri	1922	"	II
Bakshi Agam Prasad	1925	"	II
Bala Prasad Srivastava	1925	"	II
Balbeer Singh Sharma	1922	"	III
Baliram Rai	1924	" (Comp)	
Balraj Bahadur Srivastava	1925	"	II

Name	Year.	College	Class.
Balvant Vasudeo Gadgil	1924	C.H.C.	II
Balwant Singh	1925	„	II
Batuk Prasad	1920	„	III
Bhagwan Das Varma	1921	„	II
Bhagwan Sahai	1922	„	II
Bhagwati Prasad Saksena	1920	„	II
Bhola Nath Singh	1922	„	II
Bhupendranath Bhaduri	1924	„	I
Bijai Narayan Sinha	1924	„ (Comp)	
Bireshwar Chandra Banerji	1920	„	II
Bishwanth Prasad	1924	„	II
Boyanapalle Lakshman Rao	1922	„	II
Braj Bhushan	1920	„	III
Brajendra Nath Bagchi	1924	„	II
Brajendra Prasad	1920	„	III
Braj Mohan Dabral	1922	„	II
Brij Behari Singh	1922	„	III
Chamanlal	1925	„	II
Chand Behari Mathur	1925	„	II
Chandra Bal	1920	„	II
Chandra Muni	1924	„	III
Chhotay Lal	1924	„	III
Dasharathi Mukerjee	1922	„	III
Dasharath Lal Shrivastava	1922	„	I
Des Raj	1918	„	II
Dhiranjoy Bhattacharya	1923	„	II
(Hons. in Maths.)			
Dhirendra Chandra Mukhopadhyaya	1920	C.H.C.	I
Din Dayal Sharma	1922	„	III
Gaya Prasad Misra	1923	„	III
Girija Prasad	1922	„	II
Gopal Chandra Mukerji	1919	„	I
Gotety Venkata Nandam	1924	„	II
Govind Ramchandra Bhat	1922	„	III
Gyan Chandra	1920	„	II
Hargovind Singh	1925	„	III

Name.	Year.	College.	Class.
Hari Gopal Roy	1918	C.H.C.	III
Hari Har Nath Hukku	1924	"	II
Hirday Narain Sinha	1922	"	III
Hoti Prasad Gupta	1925	"	II
Jagodindra Nath Mookerjee	1923	" (Comp.)	
Jagdishwar Dass	1924	"	II
Jai Nath Singh	1921	"	II
Jalpa Sahai	1923	"	III
Jwala Prasad	1920	"	III
K. G. Rama Panickar	1924	"	II
Kailash Nath Tandon	1924	"	III
Kalika Prasad Varma	1921	"	III
Kalipa uapu Kondaiah	1924	"	I
Kali Shankar	1921	"	II
Kamaksha Prasad Misra	1925	" (Comp.)	
Kamakhya Das Banerji	1925	"	II
Kamala Datta Tripathi	1921	"	II
Kamla Prasad Verma	1922	"	II
Kamta Prasad Misra	1921	"	III
Kanhaiyalal Tewari	1919	"	II
Kedar Nath Banerji	1919	"	III
Keshava Prabhakar Rode	1925	"	II
Khare Parashuram Bhaskar	1925	"	III
Krishna Chandra Banerji	1921	"	III
Krishna Chandra Trigunayat	1925	"	II
Krishnanand Pant	1925	" (Comp.)	
Krishna Vithal Rao Varadpande	1925	"	I Hons in Zool.
Kuldeep Sinha	1922	"	III
Kunwar Behari Lal Mathur	1924	"	II
Kunwar Yadunath Sinha	1922	"	III
Lakhpai Rai	1920	"	I
Laloo Singh	1921	"	III
Lokesh Chandra Chakravarti	1924	"	III
Madhava Prasad	1918	"	III
Mahabir Prasad Misra	1924	"	II
Malik Mohammad Ismail	1923	"	I

Name.	Year.	College.	Class.
Mathura Das	1923	C.H.C.	III
Matiuddin Ahmad Quraishi	1925	,,	II
Mohammad Nasirur Rahman Khan	1925	,,	I Hons in Geology
Mohan Lal	1922	,,	I
Munna Lal	1925	,,	II
Nand Lal Srivastava	1921	,,	III
Narsingh Prasad	1922	,,	II
Niranjan Lal Sharma	1922	,,	I
Om Prakash	1925	,,	II
Onkar Nath Srivastava	1925	,,	(Comp.)
Oudh Behari Lal	1922	,,	III
Phanindra Nath Roy	1918	,,	III
Piare Mohan	1922	,,	II
Pratap Narain Varma	1924	,,	III
Pratap Sinha	1921	,,	III
Prem Mohan Lal Varma	1919	,,	II
Protul Chandra Ghose	1919	,,	II
P. R. Ramaiya	1919	,,	I
Purushottam Das Mehrotra	1922	,,	III
Pyare Lal	1919	,,	II
Rabindra Prasad Sanyal	1920	,,	II
Raja Ram	1925	,,	II
Rajendra Prasad Verma	1925	,,	III
Raj Nath	1925	,,	II
Rajwant Singh	1919	,,	II
Ramadhar Singh	1924	,,	Comp
Ramamoy Bhattacharya	1924	,,	III
Rama Rao Boyanapalle	1919	,,	III
Ram Bihari Lal Goil	1922	,,	III
Ram Chandra Dravid	1924	,,	II
Ram Chand Das	1919	,,	III
Ramchandra Lakshman Nighoskar	1924	,,	Comp.
Ram Chandra Saksena	1921	,,	II
Ram Chandra Vaish	1922	,,	III

Name.	Year.	College.	Class.
Ram Dass Lahiri	1920	C.H.C.	II
Ramesh Chandra Gupta	1924	"	II
Ramji	1924	"	III
Ramkrishna Hari Dikshit	1925	"	III
Ram Kumar Sharma	1924	"	II
Ram Nandan Ram	1921	"	II
Ram Naresh Ray	1924	"	III
Ram Rekha Rai	1920	"	I
Ram Shankar Lal	1920	"	III
Ram Shanker Pande	1924	"	III
Ram Shringar Singh	1924	"	III
Ram Swarup Misra	1925	"	Comp.
Ranendra Narayan Maitra	1921	"	II
Rewa Shanker	1921	"	III
Sachindra Nath Chakravarti	1924	"	Comp.
Sadashiv Rao Gethe	1920	"	II
Santadas Banerjee	1924	"	II
Sant Singh Varma	1923	"	II
Sarda Prasad	1920	"	III
Sartaj Bahadur Johri	1923	"	III
Satyendranath Chatterji	1920	"	III
Shambhoo Prasad Naithani	1921	"	II
Shanker Rao A. Saletore	1925	"	I
Shanti Prakash Gupta	1925	"	I
Hons in Zool			
Shashadhar Chatterji	1922	"	Comp.
Shatrughna Prasad	1922	"	II
Sheo Dutt Prasad	1925	"	Comp.
Sheo Nath Prasad	1923	"	III
Sheo Prasad	1919	"	III
Shiam Sunder Joshi	1921	"	II
Shiba Prasad Chatterji	1924	"	Comp.
Shiromani Singh Chauhan	1925	"	III
Shishir Kumar Mukerjee	1921	"	III
Shitla Prasad Mishra	1919	"	II
Shiva Shankar Lal	1922	"	III

Name.	Year	College.	Class.
Shri Narain Lal	1925	C. H. C.	III
Shri Niwas Roy	1924	,,	III
Shripad Shamrao Rane	1924	,,	II
Shri Ranjan	1921	,,	II
Sita Ram Sudan	1921	,,	II
Sobhag Mal	1925	,,	I
Sohan Lal	1918	,,	II
Sri Nath Das	1925	,,	Comp.
Sri Ram Vaish	1922	,,	II
Srish Chandra Chakraverty	1920	,,	III
S. Sita Ram Raju	1922	,,	II
Subodh Kumar Bhadury	1924	,,	Comp.
Sudhamsu Sekhar Chatterjee	1918	,,	II
Suraj Prasad Sharma	1924	,,	II
Surendra Nath Mitter	1921	,,	I
Suresh Chandra Paladhi	1923	,,	II
Shyam Krishna	1923	,,	III
Shyam Sundar Joshi	1921	,,	II
Tara Charan Gue	1922	,,	III
Thakur Chandra Narayan Singh	1921	,,	II
Thakur Krishna Singh	1924	,,	III
Tikam Singh Sharma	1922	,,	II
T. R. Narayan Pillai	1925	,,	II
Thakur Suraj Narain Singh	1925	,,	Comp.
Udai Bhan Singh	1925	,,	III
Uma Datta Pandey	1924	,,	III
Upendra Nath Chakravarti	1925	,,	II
Vishnu M. Rane	1925	,,	II
Vishwanath Prasad	1922	,,	II
Zalim Singh	1919	,,	III

BACHELORS OF SCIENCE (ENGINEERING.)

(See under successful candidates.)

(III.) Graduates in Law.

HONORARY DEGREE OF DOCTOR OF LAW:

- (i) *His Highness Maharaja Sir Sayaji Rao Gaekwar Bahadur G.C.S.I., G.C.I.E., Maharaja of Baroda 1924*
- (ii) *His Highness Maharaja Sir Prabhu Narayan Singh Bahadur G.C.I.E., G.C.S.I., Maharaja of Benares 1924*

BACHELORS OF LAW.

Name of candidate.	Year.	Name of College.	Passed in Class.
Abdul Ali Ansari.	1925	B.H.U. Law College, Benares.	II
A. K. Mohammad Habibullah			II
Baleshwar Prasad			I
Balram Rambaran Upadhyia			I
Basudeo Bajpai			II
Basudeo Tiwari			II
Bhagwati Prasad			II
Bishambhar Singh			II
Chaman Lal Sangal			I
Deokali Din Sharma			II
Gauri Nandan Upadhyaya			II
Giri Raj Bahadur Srivastav			II
Harishanker Singh			II
Harsha Chandra			II
Jagannath Prasad			II
Jagdish Narayan Singh			II
Jhandu Datta Sharma			I
Keshava Chandra Shukla			I
Kundan Singh			II
Lakshmi Narain			I
Mahabir Prasad Gupta			II
Mahabir Prasad Tiwari			I
Mithan Lal Gupta			I
Nanhku Ram Singh			I
Narottom Das Khatree			II
Parmanand Chaubey			II
Raj Kumar Singhal			I
Rama Charan Singh			II
Ramavatar Mishra			II
Ram Kripal Mishra			II
Sartaj Bahadur Johri			II
Satyadeo Singh			I
Sita Ram Asthana			I
Tapeswar Singh			I

XVI

Lists of successful candidates at examinations other than those for Degrees.

1922.

MADHYAMA EXAMINATION 1922.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
4.	Jagadisa Prasada Sharma	College of Ori- ental Learning.	II
5.	Jayakarana Dwivedi	„	II
7.	Rajarama Sukla	„	II
8.	Rajesvaradatta Misra	„	I
10.	Ramasarana Tripathi	„	III
14.	Srikrishna Panta	„	I
17.	Yadavachandra Tripathi	„	III

PRAVESIKA EXAMINATION 1922.

Roll No.	Name of candidate.	Name of Pathsala.	Passed in Class.
12.	Ganesa Jha	Ranavira Samskrit Pathsala.	II
13.	Pitambara Thakura	„	II
14.	Dhanurdhara Jha	„	II
15.	Sukharamadasa Sadhu	„	II
18.	Krishnadeva Jha	„	II
21.	Jayadatta Bhatta	„	II
23.	Nityananda Joshi	„	II
25.	Babu Brajabihari Rai Sarma	„	II
27.	Munisvara Sarma	„	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
28.	Ramakripalu Pandeya	Central Hindu College.	II
29.	Ramadatta Panta	"	II
31.	Lokamani Avasthi	"	II
33.	Visvanatha Prasada Pandeya		II
34.	Syamadatta Panta		III
36.	Sarayu Prasada Chaturvedi		II

M. A. PREVIOUS EXAMINATION 1922.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
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ENGLISH LITERATURE.

1.	Brij Mohanlal	Central Hindu College.	
2.	Kunwar Krishna Kaul	"	II
3.	Sunit Kumar Tagore	"	II

HISTORY.

4.	Haripada Gupta	"	II
5.	Narayan Bhaskar Gharpure	"	III

MATHEMATICS.

6.	Hari Das Pakrasy	"	IV
7.	Hari Shanker	"	I
8.	Hirendranath Lahiri	"	III
9.	Kanhaiya Lal Varma	"	I

PHILOSOPHY.

10.	Avadh Kishore Sahay Varma	"	II
11.	Bhagabati Prasanna Sanyal	"	III
12.	Bhikhan Lal Atreya	"	I

ECONOMICS.

14.	Narottam Das		III
15.	Raj Bahadur Gupta		II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
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SANSKRIT.

16.	Modi Prataprai Mohanlal	Central Hindu College.	II
18.	Ravindra Narayana Sinha	,,	III
19.	Vishwanath Shastri Bharadwaj	,,	II

M. SC., PREVIOUS EXAMINATION 1922.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
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BOTANY.

1.	Rafiq Ahmad Khan	Central Hindu College,	II
2.	Shambhoo Prasad Naithani	,,	III
3.	Shri Ranjan	,,	II

CHEMISTRY.

4.	Dhirendra Mohan Mukerji	,,	II
5.	Joshi Shridhar Sarvottam	,,	I
6.	Krishna Chandra Banerjee	,,	II

INTERMEDIATE EXAMINATION 1922.

Roll No.	Name of candidate	Name of College	Passed in Class.
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		Central Hindu College, Benares.	
1.	Abdul Hafiz Khan		III
3.	Aditya Narayan Singh	,,	II
4.	Agarwal Ram Bharose	,,	III
5.	Ambika Prasad Pandeya	,,	III
6.	Amrit Mukund Pathak	,,	I
9.	Ashutosh Verman	,,	III
10.	Avadhesh Narayan Singh	,,	III
14.	Balkrishna	,,	III
15.	Balkrishna Lal	,,	II
20.	Bechu Mishra	,,	II

	Name of College.	Passed in Class.
22.	Bhagwatdatta Thakore	II
	Central Hindu College.	
23.	Bhola Dat Chandola	II
24.	Bikramajit Singh	III
27.	Brij Mohan Lal Bhatnager	III
29.	Chhanga Lal Malaviya	III
31.	Deo Nandan Shukla	III
33.	Devi Prasad Srivastava	I
34.	Dhanpat Prasad Gupta	III
35.	Diwan Singh Jaiwar	III
36.	Durgadas Nag	III
39.	Gauri Shankar Chobe	III
40.	Girdhar Das Parikh	III
41.	Girdhari Lal Malaviya	II
46.	Gorakh Nath Pande	III
49.	Haran Chandra Banerji	III
50.	Hari Bansh Singh	III
51.	Harihar Nath Sinha II	III
52.	Harishankar Prasad Gupta	III
53.	Hazari Lal Jain	II
56.	Jagannath Mishra	III
58.	Jagannath Prasad Misra	III
59.	Jagannath Shastri Bharadwaj	II
60.	Jagannath Tiwari	III
61.	Jagat Pratap Singh	III
62.	Jagdeo Rai Sharma	III
63.	Jai Krishna Shukla	III
64.	Janakiraman Mishra	III
65.	Jitendra Deb Bhattacharya	III
66.	Jokhu Singh	III
68.	Kali Pada Ghoshal	II
70.	Kanhaiya Singh	II
73.	Keshava Prasad Singh	III
74.	Khalil Ahmad	III
75.	Khub Chand Shrivastava	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
77.	Krishna Deo Upadhyay	Central Hindu Collage.	III
79.	Kunwar Ram Singh	"	II
83.	Lauti Ram	"	III
86.	Madan Gopal Sinha	"	II
89.	Mangal Sen Mehrotra	"	III
91.	Manik Lal Merh	"	III
92.	Mannoo Lal Misra	"	I
94.	Mirza Mohammad Hasan	"	II
96.	Motiram Atmaram Harne	"	III
99.	Murli Dhar Agrawal	"	III
103.	Nand Kumar Thakkur	"	II
105.	Nibaran Chandra Jha	"	III
106.	Om Prasad Gupta	"	II
108.	Pandya Manishanker	"	III
111.	Parmeshwar Prasad I	"	III
112.	Piare Lal Srivastava	"	II
114.	Prem Shankar Agarwala	"	II
115.	Purushottam Hari Patwardhan	"	II
116.	Purushottam Prasad Pande	"	III
118.	Radhika Prasad Singh	"	II
119.	Raghubir Singh Thakur	"	III
121.	Raghunath Prasad Srivastava	"	II
123.	Raj Bahadur Lal	"	III
124.	Raj Ballabh Sahai	"	II
125.	Raj Deo Upadhyay	"	III
126.	Rajendra Kumar Jain	"	III
127.	Rajendra Nath Lahiry	"	III
128.	Raj Narayan Singh	"	III
129.	Raj Narayan Singh Chaudhri	"	III
130.	Rama Briksh Singh	"	III
136.	Rama Shakal Singh	"	III
137.	Rama Swarup Singh	"	III
140.	Rameshwar Prasad Agrawal	"	III
146.	Ram Pyare Acharya	"	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
149.	Rash Behari Roy	Central Hindu College.	III
151.	Saraswati Din Pandey	"	II
152.	Sarasvati Datt Pande	"	III
154.	Seetaram Jayaram Joshi	"	II
155.	Shambhu Dayal Singh	"	III
156.	Shashi Shekhar Sanyal	"	III
157.	Shesh Dutta Tripathi	"	II
158.	Shiam Lal Tewari	"	III
159.	Shiva Mangal Pande	"	III
161.	Shiva Naresh Singh	"	III
164.	Shri Krishna Chaube	"	III
165.	Shri Narain Singh	"	III
171.	Sundar Lal Jain	"	III
172.	Suraj Karan Pareek	"	II
173.	Syed Imamuddin Rizvi	"	III
174.	Thakur Saran Sinha	"	III
180.	Biraj Lakshmi Banerji	Private.	III
181.	Kunwar Nagu	"	II
182.	Lajwanti Gupta	"	II
184.	Akshoy Kumar Bhattacharji	Central Hindu College.	III
187.	Ananta Mohan Chatterji	"	III
188.	Askaran Goswami	"	III
189.	Asurari Chandra Gupta	"	III
191.	Baboolal Dave	"	II
192.	Badri Narayan	"	III
194.	Balvant Vasudeo Gadgil	"	III
200.	Bhupendranath Bliaduri	"	II
202.	Bisheshwar Prasad	"	III
203.	Bishwanath Prasad	"	II
204.	Budh Singh	"	III
206.	Chandra Mouli	"	III
208.	Chhotey Lal	"	II
210.	Gadiraju Venkatramaraju	"	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
211.	Gopi Nath Upadhyaya	C. H. C.	III
214.	Govind Singh Negi	"	III
217.	Hari Har Nath Hukku	"	II
221.	Jagdishwar Dass	"	III
222.	Jaswant Singh	"	III
224.	Kailash Nath Tandon	"	III
226.	Kamaksha Prasad Misra	"	II
227.	Kanhaiya Lal Srivastava	"	III
228.	Kishen Dayal	"	II
229.	Krishna Bihari Upadhyaya	"	II
231.	Krishna Nand Pant	"	II
232.	Kunwar Behari Lal Mathur	"	II
233.	Lal Mohan Banerji	"	II
236.	Madho Prasad Nayak	"	III
238.	Manindra Nath Roy	"	III
239.	Megh Shiam Sharma	"	II
240.	Onkar Nath Srivastava	"	III
243.	Poorna Nand Upadhyaya	"	II
245.	Purushottam Pande	"	III
248.	Raj Bali Ram	"	III
249.	Raj Kishore Srivastava	"	III
252.	Ram Ajna Prasad	"	III
253.	Ramamoy Bhattacharya	"	II
254.	Ramapati Khanduri	"	III
255.	Ram Chandra Dravid	"	II
256.	Ramesh Chandra Gupta	"	II
257.	Ramji	"	III
258.	Ram Kumar Sharma	"	II
260.	Ram Shanker Pandey	"	II
261.	Ram Shringar Singh	"	II
262.	Ram Swarup Misra	"	III
264.	Rishabh Deo Singh	"	II
265.	Sachindranath Banerjee	"	II
268.	Shivanath Shukla	"	II
269.	Shripad Shamrao Rane	"	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
271.	Shubhendra Kumar Mitra	Central Hindu College.	I
273.	Sri Arunkumar Basu		II
274.	Sri Krishna Sahai Mathur		III
275.	Sri Nath Das		II
276.	Suraj Prasad Sharma	„	III
277.	Thakur Krishna Singh	„	II
278.	Triloki Nath Gupta		II
284.	Bankey Biharee Prasad		(Comp.)
288.	Bindbasini Sinha	„	
289.	Bishun Podo Mukerjee	„	
292.	Dub Nath Upadhyaya	„	
293.	Ganpat Rao Hoshing	„	
294.	Gulab Shankar Pandya	„	
295.	Hari Krishna	„	
296.	Harish Chandra Khanna	„	
304.	Radha Mohan	„	
305.	Rajendra Lal Bhaduri	„	
306.	Ran Bahadur Singh	„	
307.	Rama Nandan Chaudhary	„	
309.	Ramesh Chandra De	„	
310.	Suresh Chandra Paladhi	„	
311.	Surya Narayan Singh	„	
313.	Sant Singh Varma	„	

ADMISSION EXAMINATION 1922.

Roll No.	Name of Candidate.	Age.	Caste.	Name of School	Class.
2.	Aditya Prasad Narain Sinha	17-6	Bhumihar Brahman	C.H.S. Benares.	III
3.	Amiya Kumar Mozumdar	18-2	Kayastha	„	III
6.	Atullya Chandra Banerjee	17-0	Brahman	„	III

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Class.
7.	Awadh Behari Lal	16-7	Jaiswal Vaishya	C.H.S. Benares.	III
13.	Balbir Bahadur Saksena	17-7	Kayastha	„	II
16.	Beni Prasad Gupta	19-0	Vaishya	„	III
17.	Bibhuti Bhushan Banerji	19-5	Brahman	„	II
19.	Bireshwar Prasad Banerji	15-6	Brahman	„	III
21.	Bishwanath Jaiswal	17-6	Vaishya	„	III
22.	Bishwanath Prasad	19-5	Ahir	„	III
26.	Chabinath Tiwari	15-6	Brahman	„	III
32.	Ganga Rama Tiwari	22-6	Brahman	„	III
33.	Girwar Sahai	17-5	Agarwal Vaishya	„	II
34.	Gopal Chandra Ghosh	15-11	Kayastha	„	II
35.	Gopesh Chandra Mazumdar	16-9	Brahmin	„	III
36.	Gopi Nath Kapoor	16-6	Khatri	„	III
37.	Govindo Prasad Mukerji	16-8	Brahman	„	III
41.	Hari Mohan Bhatta- charya	16-11	Brahman	„	III
43.	Hari Prasad Dutta	16-5	Kayastha	„	II
49.	Jiva Raj Sharma	18-7	Brahman	„	III
50.	Kali Pada Chakravarti	16-7	Brahman	„	III
52.	Kedar Nath	17-11	Koeri	„	III
53.	Kedar Nath Sharma	16-11	Brahman	„	II
54.	Keshava Mishra	18-0	Brahman	„	III
57.	Mani Shankar Misra	16-2	Brahman	„	II
58.	Manmohan Swarup Gupta	21-9	Vaishya	„	III
62.	Narasaier Salem Nagarajan Sarma	19-11	Brahmin	„	III
63.	Narsingh Upadhyaya	19-6	Brahman	„	III
67.	Parbati Prasad Narayana Singh	17-11	Bhumihar Brahman	„	II

Roll No.	Name of Candidate	Age.	Caste.	Name of School.	Passed in Class.
68.	Pashupati Nath Chaube	19-1	Brahman	C.H.S. Benares.	II
69.	Prahlad Das Gupta	17-6	Agarwal	„	III
72.	Pyare Lal Sharma	19-5	Brahman	„	III
77.	Ram Singh Naruka	16-5	Rajput	„	III
79.	Sachindra Bhushan Chatterjee	16-1	Brahman	„	II
81.	Shambhu Nath	17-6	Kayastha	„	III
84.	Shyama Charan Sinha	17-11	Kayastha	„	II
89.	Surendra Nath Pande	15-8	Brahman	„	II
92.	Togera Vishweshwar	17-0	Brahman	„	II
93.	Tripurari Saran	16-0	Kayastha	„	III
95.	Uma Jivan Banerji	17-3	Brahman	„	II
97.	Vishwanath Misra	17-3	Brahman	„	II
98.	Bansidhar Pratap	17-3	Kayastha	Theosophical National School Benares.	II
99.	Bhola Nath	14-6	Kayastha	„	
100.	Brij Narain Varma	15-2	Kayastha	„	
102.	Jagdish Prasad	15-6	Kayastha	„	
104.	Kumar Bhuteshwar	17-1	Kshatriya	„	
105.	Mahadeo Raghunath Gurjar	18-0	Brahman	„	II
107.	Rafi Ullah Khan	16-10	Muhammadan	„	I
112.	Durga Prasad Mehrotra	16-10	Khatri	„	II
124.	Balkrishna Dattatraya Gharpure	20	Brahmin	Private.	II
128.	Bhagwati Prasad Sri- vastava	19-5	Kayastha		III
131.	Bhishma Arora	17-9	Khatri		II

Roll No.	Name of Candidate.	Age.	Caste	Name of School.	Class
133	Bikram Bahadur Singh Janvar	22-1	Kshatriya	Private.	III
134	Bina Ghosh	15-11	Bengali Kayastha		I
140	Devi Datta Misra	18-7	Brahmin		II
149	Girish Chandra Vyas	18-11			II
150	Goku Das	21-5	Gujrati Vaishya	,,	III
151	Gopal Narain Singh	19-0-27	Kayastha	,,	III
155	Gyanwati Ashtana	17-3	Kayasth	,,	II
159	Harish Chandra Nath Vatal	16-11	Kashmere Brahmin	,,	III
160	Indu Bala Banerjee	17-5	Bengali Brahman	,,	II
166	Kamala Devi Thapliyal	19-1	Garhwali Brahman	,,	III
170	Kesh Kumari Shargha	15-8	Kashmiri Brahmin	,,	II
172	Keshava Rama Pathak	18-0	Brahmin	,,	III
178	Lajja Ram Dave	22-0	Nagar Brahman	,,	II
179	Lilavati Bhattacharya	16-5	Brahman	,,	II
180	Mahadeo Singh	25-5	Kayastha	,,	III
186	Prabhakar Janardan Jahagirdar	16-9-4	Brahman	,,	II
187	Pratap Narain Bajpai	19-8-13	Brahman	,,	II
188	Priti Adhikari	16-2	Bengali Brahman	,,	I
189	Raghubans Behari Mathur	22-1-9	Kayastha (Mathur)	,,	III
193	Ramadhari Asthana	15-6	Asthana Kayastha	,,	II
197	Ram Krishna Varma	15-5	Kayastha	,,	II
202	Ranvir Singha	20-10	Kshattriya	,,	III
204	Sant Adhar Sinha	18-11-18	Khatttri	,,	III
206	Sangidass Vyas	18-7	Brahman	,,	II
211	Shiam Kishori Kunzru	19-0	Kashmiri Brahman	,,	III

Roll No.	Name of Candidate-	Age.	Cast,	Name of School.	Class.
212	Shiva Dhani Singh	17-6-4	Kshatriya	Private.	III
			Raghuvanshi		
218	Shyama Shyam	21-2	Kayastha	„	III
222	Tirath Ram	22-9	Brahman	„	III
226	Uma Shankar Lal			„	
	Verma	21-2	Kayastha	„	III
230	Yashoda Devi Gupta	18-1-11	Rajvansh	„	III
			Agrawal Vaish	„	
232	Kashi Nath Mehrotra	17-6	Khattry	„	III
234	Shatrughna Prasad			„	
	Singh	18-2	Bhumihar	„	II
			Brahman		

B. Sc. EXAMINATION (ENGINEERING)
PART I 1922.

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
1.	Beni Madho Singh	Engineering College.	I
		B. H. U.	
3.	Bijon Behari Bose	„	I
4.	Dhirendra Nath Chanda	„	I
5.	Gour Chandra Roy	„	II
6.	Karunamaya Rakshit	„	I
7.	Kedar Nath Sharma	„	I
8.	Mohit Kumar Mookerji	„	II
9.	Navaratna Gupta	„	II
10.	Nishithanath Bhattacharya	„	I
11.	Nitai Pada Ghosh	„	II
12.	Panabi Kumar Datta	„	II
13.	Raghunandan Singh Tripathi	„	I
14.	Raja Rama	„	II
15.	Sati Prasanna Mukerjee	„	II
16.	Susil Kumar Roy	„	III
17.	Trilochan Singh Sudhi	„	III

INTERMEDIATE EXAMINATION (ENGINEERING)
PART II 1922.

Roll No.	Name of Candidate.	Name of College	Passed in Class.
1.	Amalendu Bhushan Sanyal	Engineering College B. H. U.	I
2.	Asa Nand Kapur		I
3.	Ashutosh Paul		II
5.	Girindra Nath Bose		II
6.	Jagat Singh		I
7.	Jai Singh		I
8.	Kali Sahaya Mukherjee		I
9.	Kashinatha Bhattacharya		II
10.	Khunni Lal Jain		I
11.	Lalta Prasad Asthana		III
12.	Narendra Nath Rudra		I
13.	Nirmal Chandra Mukherji		II
15.	Probodh Chandra Bandopadhyaya		I
16.	Sanjib Bhattacharyya		I
20.	Shivanandan Prasad Sinha		I
22.	Subodh Chandra Kumar		II
24.	V. K. U. Menon		II

INTERMEDIATE EXAMINATION (ENGINEERING)
PART I 1922.

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
4.	Ananta Kumar Bose	Engineering College B. H. U.	II
5.	Anukul Chandra Sen		II
6.	Ashita Kanjan Ghosh		II
9.	Bhola Nath Basak		II
12.	Bidhu Bhushan Hore		III
13.	Bimal Kanti Banerji		II
14.	Brij Mohan Lal Ahuja		III
15.	B. V. Raju		II
16.	Debendra N. Ghose		II
17.	Devi Dass Dhanda		II
19.	Dinkar Shridhar Sharangpani		II
20.	G. Visvanathan		II

Roll No.	Name of Candidate.	Name of College	Passed in Class.
		Engineering College	
21.	Harendra Kumar Ghosh	B. H. U.	II
22.	Haripada Bahadury	"	II
23.	Jagadindu Bhushan Mukerjee	"	II
24.	Jai Krishna Das Parikh	"	III
27.	Jatindra Chandra Datta Gupta	"	III
29.	Jatish Chandra Chakravorty	"	III
31.	Jetha Nand Diwan	"	II
35.	Keshav Vishwanath Kardile	"	I
36.	Kundan Lall Talwar	"	II
37.	L. C. Keshava Rao	"	II
38.	M. D. Gharpure	"	II
40.	Mohan Chandra Pande	"	II
41.	Monindranath Roy	"	II
43.	Naresh Chandra Das Gupta	"	III
45.	Niranjana Lal	"	III
48.	Prafulla Kumar Datta	"	III
49.	Prafulla Kumar Roy Choudhry	"	II
51.	Promode Behari Purkayastha	"	III
52.	Promod Kumar Chattopadhyaya	"	II
54.	Radha Govinda Das	"	II
55.	Radha Krishan Kshetrapal	"	II
58.	Ramesh Chandra Rai Choudhry	"	II
61.	Sailaja Kinkar Samanta	"	III
63.	Sarat Chandra Banerjee	"	III
64.	Sarojpani Chaudhury	"	II
65.	Satya Charan Das	"	III
66.	Saurindra Nath Basu	"	III
67.	Saurindra Nath Mojumdar	"	III
68.	Sham Kishan Kaicker	"	I
69.	Shyam Lal Saksena	"	II
72.	Sudhansu Ranjan Roy Choudhri	"	II
73.	Sudhindra Prasad Niyogi	"	II
74.	Sukumar Ghosh	"	II
76.	Tarini Kumar Palit	"	II
78.	Uma Shankar Mehrotra	"	III

1923.

MADHYAMA EXAMINATION 1923.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
1.	Akshayavata Tripathi	College of O. L.	III
2.	Kishorilal Jha	"	II
4.	Gouri Shankar Varma	"	II
7.	Nayapala Pandey	"	II
8.	Naresht Chandra Chakravarty	"	II
10.	Brahmachari Ram Lakshman Chaitanya	"	II
12.	Bhagavata Pandeya	"	II
13.	Bhuvanesvara Jha	"	II
15.	Mahesvara Sastri	"	II
18.	Ramacharana Upadhyaya	"	III
19.	Ramalagna Verma	"	II
20.	Ramasankara Bhatta Malaviya	"	III
22.	Viramani Prasada Upadhyaya	"	II
25.	Siva Kumara Sukula	"	I
26.	Sivadhani Varma	"	II
27.	Satya Deva Misra	"	II
28.	Sarasvatidatta Sarma	"	II
30.	Hanumana Misra	"	III
32.	Hiravallabha Lohahotri	"	II
33.	Kamalanatha Sukla	"	II
34.	Gouri Sanker Chaturvedi	"	II

PRAVESIKA EXAMINATION, 1923.

Roll No.	Name of candidate.	Name of Pathshala.	Class.
1.	Ajitavirya Jaina	R.S. Pathshala.	I
2.	Kastura Chandra Jaina	"	II
6.	Damodara Prasada Sharma	"	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
8.	Rakhal Chandra Tripathi	R. S. Pathalsala.	II
9.	Rajendra Chandra Bhattacharya	„	I
10.	Visvanatha Dube	„	II
11.	Hazari Prasad Dwivedi	„	II
12.	Gangadatta Bhatta	„	II
20.	Taradatta Pandeya	„	III
27.	Vanshidhara Sharma	„	III
29.	Vaidyanatha Tripathi	„	II
33.	Sitarama Tripathi	„	II
34.	Harivansa Tripathi	„	I
35.	Harisankara Jyotirvid	„	II

INTERMEDIATE EXAMINATION 1923.

Roll No.	Name of candidate.	Name of college.	Passed in Class.
3.	Achyutanand Misra	Central Hindu College.	III
4.	Achyut Sitaram Patwardhan	„	II
6.	Anil Kumar Dutta	„	III
7.	Anand Bahadur Saxena	„	III
8.	Anant Sharan Ojha	„	III
9.	Anant Singh	„	III
13.	Baldeo Prasad Singh	„	II
14.	Ballabh Das	„	III
16.	Bachchan Misra	„	II
19.	Bashir Ahmad Ansari	„	III
20.	Bechan Rama Gupta	„	III
21.	Beni Bahadur Singh	„	III
22.	Bhajan Lal Sanyal	„	II
23.	Bhau Balvant Bhate	„	II
25.	Bhagvati Din Tewari	„	III
28.	Bhaskar Dutta Mishra	„	II
29.	Bipindeva Bhattacharya	„	III
30.	Bibhuti Bhusan Malik	„	III
32.	Bishwambhar Dutta Bahukhandi	„	III

Roll No.	Name of candidate.	Name of college.	Passed in class.
34.	Brahma Swaroop Khare	Central Hindu College.	III
35.	Braj Narayan Sinha	"	III
38.	Chandra Shekhar Pande	"	II
40.	Chatur Chand Kumar	"	III
41.	Daya Shanker	"	II
43.	Devendra Pratap Narain Singh	"	III
44.	Dhanpat Singh	"	II
45.	Dibyendra Prasad Sanyal	"	III
46.	Durga Prasad Sirothia	"	III
47.	Ganesh Prasad Pande	"	III
48.	Ganga Prasada Srivastava	"	II
49.	Gauri Shanker Lal	"	III
51.	Gaya Prasad Shukla	"	III
52.	Gaya Singh	"	II
53.	Godavarty Sanjiva Rao	"	III
54.	Gokul Chandra Shukla	"	III
55.	Gopal Prasad Sharma	"	III
58.	Hira Lal Bhatnagar	"	III
59.	Hardip Singh	"	II
61.	Harians Kumar	"	II
64.	Indu Shekhar Jha	"	III
65.	Ishwar Dutta Tripathi	"	II
66.	Ishwar Sahai	"	III
67.	Ishwar Saran	"	III
69.	Jagannath Prasada I	"	III
71.	Jagannath Prasad III	"	III
73.	Jagannath Lall	"	II
74.	Jagdeo Roy	"	III
75.	Jugal Kishore Tandan	"	III
76.	Jagatpati Roy Sharma	"	II
77.	Kamla Sahai	"	III
78.	Kameshwar Prasad	"	III
80.	Keshava Chandra Khanna	"	III
81.	Khem Raja Bahuguna	"	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
82.	Koonaparaju Krishnam Raju	Central Hindu College.	II
84.	Krishna Narayan Rai	"	III
85.	Krishen Chandra	"	III
87.	Kshitindra Mohan Sen	"	III
90.	Lakshman Prasad Jetly	"	III
91.	Lala Sita Rama	"	III
93.	Laloo Singh	"	III
94.	Maharaj Ajat Shatru Singh	"	II
95.	Mangal Das	"	II
97.	Madhuri Mohan Mehrotra	"	III
99.	Madhava Sakharam Patankar	"	II
100.	Mahip Narain Dubey	"	III
102.	Mani Lal B. Desai	"	II
106.	Mukhlal Singh	"	III
107.	Muni Lal Singh	"	II
110.	Murari Lal	"	III
111.	Nand Kishore Singh	"	II
114.	Narottam Das Swami Vaishnava	"	II
115.	Narottam Das Mehrotra	"	II
116.	Nitya Nand Singh	"	III
117.	Parshwanath Singh	"	III
119.	Prabhu Dayal Tandon	"	III
120.	Prabhu Narayan Gour	"	III
122.	Pulin Behari Ghoshal	"	III
123.	Puttu Lal Misra	"	III
126.	Radhey Shyam	"	III
127.	Rai Baidyanath Prasad Sharma	"	III
128.	Rai Raja Ram Sharma	"	III
129.	Rajendra Chandra	"	III
130.	Rajendra Nath Karmahe	"	III
131.	Rama Chandra Misra	"	III
132.	Ram Chandra Govind Siras	"	II
133.	Rama Chandra Prasad	"	III
135.	Ram Dulare Trivedi	"	II

Roll No.	Name of candidate.	Name of college.	Passed in Class.
137.	Ramjee Lal	Central Hindu College.	III
138.	Rama Janma Singh	"	III
139.	Ram Karan Singh	"	II
140.	Ram Lal Singh	"	III
142.	Ram Naresh Lal	"	III
146.	Ram Niranjan Choube	"	III
147.	Ram Raj Dube	"	III
150.	Rama Shakal Misra	"	III
151.	Rama Sewak Singh	"	III
152.	Ram Shanker Pandya	"	II
153.	Sachindra Kumar Bliattacharya	"	III
155.	Satanand Sharma	"	II
156.	Sham Rao Govind Pathak	"	III
160.	Sheo Shanker Tewari	"	III
161.	Shib Nath Pattuck	"	III
163.	Shree N. Singh	"	III
164.	Shri Ratna Shukla	"	II
167.	Shyam Behari Sinha	"	III
168.	Shyam Lal Gupta	"	III
169.	Singhasan Singh	"	III
170.	Sita Ram	"	III
171.	Sita Ram Singh	"	III
173.	Sri Ram Singh	"	III
174.	Sri Mohan Singh	"	III
179.	Tara Mohan De	"	III
180.	Tarini Prasad Thakur	"	III
181.	Tarini Sharan	"	III
182.	Udit Narayan Pandya	"	III
183.	Vishwanath Prasad	"	III
185.	Yashoda Nandan Ojha	"	III
188.	Gauri Shanker Sinha	Private.	III
189.	Malatibai Kelkar	"	II
191.	Shanti Adhikari	"	I

Roll No.	Name of candidate.	Name of College.	Passed in Class
195.	Amulya Kumar Banerjee	Central Hindu College.	III
197.	Arabinda Kumar Basu	"	III
200.	Badri Narayan .	"	II
201.	Bakshi Agam Prasad	"	III
202.	Bal Krishna Shukla	"	III
203.	Bala Prasad Srivastava	"	III
205.	Baleshwar Nath Bhatta	"	II
206.	Balwant Singh	"	II
210.	Bansh Bahadur Tewary	"	III
213.	Bhola Nath Halder	"	III
216.	Bisheshar Dayal Goyal	"	II
217.	Brahm Datt	"	II
218.	Chaman Lal	"	III
219.	Chand Behari Mathur	"	III
220.	Chandra Bali Rai	"	III
222.	Chandra Sekhar Dutta Misra	"	II
226.	Duli Chand	"	III
227.	Durga Prasad Srivastava	"	III
231.	Girdhari Lal	"	II
233.	Har Govind Singh	"	III
242.	Jagdish Prasad Sharma	"	III
245.	Jogajiban Ghosh	"	II
248.	Kanhaiya Lal Mehrotra	"	III
250.	Kartar Singh	"	III
251.	Kedar Nath Lal	"	II
253.	Krishna Datt Trivedi	"	II
259.	Maheshwari Prasad Sinha	"	III
262.	Manohar Lal Srivastava	"	II
263.	Mata Prasad Singh	"	II
265.	Mohammad Husain	"	III
267.	Mohan Lal	"	II
269.	Munna Lal	"	II
274.	Om Prakash	"	II
275.	Onkar Prasad	"	III

Roll No.	Name of candidate.	Name of College.	Passed in Class.
277.	Penmetcha Chalapathiraju	Central Hindu College.	III
280.	Prahlad Das	"	II
281.	Prem Nath Sangal	"	III
284.	Radha Govind Singh	"	III
285.	Raghu Nath Agarwal	"	II
290.	Raj Nath	"	II
291.	Raja Ram	"	III
292.	Rajendra Prasad Varma	"	III
294.	Ram Bahadur Bhatnagar	"	III
297.	Ram Das Singh	"	I
298.	Ram Deo Roy	"	II
300.	Ram Krishna Selot	"	III
304.	Ram Saran	"	II
306.	Rewa Prasad Dube	"	III
310.	Shanti Prakash Gupta	"	II
312.	Shiam Lal Sharma	"	III
314.	Shiva Nath Khanna	"	II
321.	Sobhag Mal	"	I
323.	Suresh Chandra De	"	II
324.	Surendra Chandra Gupta	"	III
325.	Tripurari Saran Singh	"	III
328.	Upendra Nath Chakraverti	"	II
329.	Vaidya Nath Pandeya	"	III
330.	Vasudeo Ramchandra Oak	"	II
331.	Vinayek Sadashivrao Borade	"	III
332.	Vinode Vehari Lal	"	III
334.	Vishnu Lall Varma	"	III
336.	Vishnu Shankar	"	II
341.	Banke Bahadur Singh	"	Comp.
343.	Bashist Narayan Roy Sharma	"	"
349.	Gopal Das	"	"
350.	Goverdhan Das	"	"
351.	Guru Sewak Singh	"	"
354.	Karuneshwar Prasad	"	"

Roll No.	Name of candidate.	Name of College.	Class.
358.	Laxmi Narayan Kapil	C. H. College.	Comp
359.	Lok Nath Singh	"	"
360.	Mahabir Singh	"	"
361.	Manika Prasad	"	"
362.	Medai Lal Dwivedi	"	"
365.	Onkar Prasad Varma	"	"
367.	Rama Kunvar Singh	"	"
368.	Ram Narayan Singh	"	"
370.	Rama Raja Singh	"	"
372.	Satya Deo Narayan Singh	"	"
376.	Tilak Dhari Singh	"	"
378.	Udai Bhan Singh	"	"
380.	Vishwanath Singh	"	"

ADMISSION EXAMINATION 1923.

Roll No.	Name.	Age.	Caste.	School.	Class
1.	Abdul Aziz	22-1	Moham- madan	Private.	III
4.	Achutanand Nath Tripathi	22-6	Brahman		III
5.	Amar Nath Singh	29-10	Kshattriya		II
6.	Avadh Behari Lal	21-7	Kayastha		III
10.	Baldeo Pd. Varma	20-6	Kayastha		III
11.	Bas Deo Saran Agarwal	18-4	Vaishya		I
18.	Bharat Pd. Gupta	16-9	Vaishya		III
25.	Devi Prasad Seth	20-3	Khatri		III
27.	Deoki Nandan Misra	25-4	Brahman		III
28.	Debi Charan Sharma	26-4	Brahman		III
37.	Girija Shankar Shukla	17-5-10			III
45.	Hukam Chandra Sharma	26-9			III
48.	Jagdish Pd. Pathak	22-3			III

Roll No	Name of Candidate.	Age.	Caste.	Name of College.	Passed in Class.
51.	Jasodia Nandan Pd. Varma	18-6	Kayastha	Private	II
53.	Jawahar Lal Srivastava	21-1	„	„	III
57.	Kedar Nath Lal	19-5-8	Bania	„	III
58.	Kedar Nath Upadhyaya	20-6	Brahman	„	II
59.	Krishna Rao	19-6	„	„	III
60.	Kshitindra Nath Mukerji	19-9-13	„	„	III
61.	Kuber Nath Sinha	22-11	Kayastha	„	III
74.	Mool Chand Jaini	17-0-27	Agarwal	„	II
76.	Narayan Laxman Thatthe	19-0	Brahman	„	III
81.	Prem Narayan Mathur	19-0	Kayastha	„	III
95.	Rajmangal Nath Tripathi	17-1	Brahman	„	II
97.	Rama Krishna	20-6	„	„	II
113.	Sadashio Balkrishna Gupte	21-1	Prabhu	„	III
115.	Sant Bilas Lal	21-4	Kayastha	„	III
119.	Satya Narain Sinha	21-1	Rajput	„	III
120.	Satyavati Devi Batsalya	16-4	Vaishya	„	II
121.	Shahid Ali Khan	21-6	Mohammedan	„	II
122.	Shambhoo Nath Chaudhri	22-11-15	Teli	„	III
126.	Shiva Datta Lal	22-0	Kayastha	„	III
127.	Shiva Shankar Dayal	18-9-15	Brahman	„	III
131.	Shyam Lal Malaviya	16-6	„	„	III
134.	Sitaram Mhalsa Kant Majumdar	20-8	„	„	III

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
143.	Abani Kant Roy	18-6	Baydha	Central Hindu School.	III
144.	Achita Prasad Srivastava	15-11	Kayastha	„	III
145.	Ambika Pd. Roy			„	III
146.	Amolakh Chandra Jain	17-6	Oswal (Swetambar)	„	III
147.	Anant Malhar Tathe	19-3	Brahman	„	III
150.	Badri Nath Singh	17-8	Kshatriya	„	III
151.	Baij Nath Saksena	17-1	Kayastha	„	II
158.	Birendra Deo Narain Singh	14-10	Bhumihar Brahman	„	III
159.	Bireshwar Das Ghosh	15-9	Sadgope	„	II
160.	Bishambhar Nath Mehrotra	16-2	Khatri	„	III
161.	Bishun Prasad	19-7	Vaishya (Kandu)	„	III
162.	Bishwa Nath Pandit	16-2	Brahman	„	III
163.	Bishwanath Singh	22-6	Kshatriya	„	III
164.	Brijendra Nath Bhargava	16-8	Brahman	„	II
166.	Brijraj Bahadur Johri	16-1	Kayastha	„	III
168.	Chandra Sekhar Varma	16-2	Chauhan	„	II
170.	Chandrika Pd. Dube	20-7	Brahman	„	III
172.	Dasharath Singh	20-8	Kshatriya	„	III
175.	Ganesh Singh	17-1	Kurm Kshatriya	„	III
176.	Gangadhar Laksha- man Nighoskar	14-10	Brahman	„	II
177.	Gauri Shankar Pandey	18-4	„	„	II

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
179.	Govinda Das Gujrati	16-7	Vaishya	Central Hindu School, Benares	III
181.	Guru Narain Sharma	17-2	Khatrī	„	III
183.	Haran Chandra Dhar	16-9	Kayastha	„	II
184.	Harendra Krishna Roy Choudhuri	18-6	Brahman	„	II
185.	Hari Charan Banerji	18-6	Brahman	„	III
187.	Harish Chandra Tandon	15-8	Kshattriya	„	III
189.	Hira Raj Sharma	16-8	Brahman	„	III
190.	Jagannath Tewari	18-2	„	„	II
193.	Jai Krishna Das	18-9	Agarwal	„	III
195.	Jotindra Nath Moitra	18-4	Brahman	„	II
196.	Kamlakar Pandey	17-10	„	„	III
198.	Keshava Prasad Singh	16-11	Bhumihar Brahman	„	III
199.	Krishna Swarup Srivastava	20-2	Kayastha	„	II
200.	Kunwar Birendra Bahadur Singh	18-5	Kshatriya	„	III
203.	Manohar Das	20-11	Agarwala	„	III
206.	Murli Manohar Pant	17-8	Brahman	„	III
207.	Nageshwar Prasad Singh	19-0	Kshatriya	„	III
208.	Narain Datta	18-4	Brahman	„	III
212.	Nirmal Chandra Lahiri	19-1	„	„	III
214.	Oudh Narain Anand	18-2	Khatrī	„	III
215.	Pashupati Nath Chaube	20-11	Brahman	„	III
216.	Promode Kumar Biswas	19-7	Kayastha	„	III
217.	Pramatha Nath Datta	18-1	„	„	III
218.	Raj Narain Misra	17-5	Brahman	„	III

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
219.	Rama Naresh Mishra	18-0	„	C. H. S. Benares.	II
223.	Santosh Kumar Basu	16-6	Kayastha	„	III
224.	Sarju Prasad Srivastava	18-6	„	„	III
225.	Satchidanand Prasad	19-9	„	„	III
227.	Shambhu Prasad Asthana	18-7	„	„	II
228.	Sarda Prasad Roy	16-9	Bhumihar Brahman	„	III
230.	Shiva Murat Dikshit	16-6	Brahman	„	III
232.	Shri Jivan Das Sah	17-3	Agarwal	„	III
235.	Suchit Kumar Bhaduri	16-2	Brahmin	„	II
236.	Sudhakar Sanyal	18-0	Brahman	„	III
237.	Sudhireswar Banerji	17-10	„	„	II
238.	Suraj Prasad Srivastava	17-0	Kayastha	„	III
239.	Surendra Nath Banerji	16-4	Brahman	„	III
240.	Suresh Chandra Chakraborty	17-5	„	„	II
241.	Shyama Pado Banerji	18-0	„	„	II
242.	Tara Pado Mitra	14-9	Kayastha	„	II
243.	Thakur Jagmohan Singh	22-6	Kshatriya	„	III
246.	Vindhyachal Pd. Srivastava	18-4	Kayastha	„	II
247.	Vishnu Lakshman Nighoskar	17-0	Brahman	„	II

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
248.	Abdul Habib Khan	16-2	Mohammadan	Theosophical National School Benares.	II
249.	Anand Shankar Pandya	15-9	Brahman	„	III
252.	Bal Mukund Das	17-3	Nagar Vaishya	„	III
253.	Chandramohan Nath Chak	13-9	Brahman	„	I
254.	Dattatraya Lakshaman Nighoskar	20-5	„	„	III
255.	Gokul Krishna Deb Biswas	17-1	Kayastha	„	III
257.	Gajanan Janardan Kathardekar	15-9	Brahman	„	II
258.	Gulzari Lal Rohatgi	15-5	Rohatgi	„	II
259.	Gangadhar Narain Paranjpe	18-7	Brahman	„	III
260.	Hara Prasad Joshi	16-3	„	„	III
261.	Joshi Ratneshwar	15-9	„	„	II
263.	Pandya Lajja Shankar	21-10	„	„	III
264.	Prithvi Nath Tandon	18-9	Kshattriya	„	III
266.	Trimbak Pandhari Nath Telang	17-3	Brahman	„	III
267.	Teja Singh	19-0	Sikh	„	I
269.	Baleshwar Prasad Srivastava	16-9	Kayastha	„	III
270.	Hari Har Prasad Singh	18-11	Kshattriya	„	III

B.Sc. EXAMINATION (Engineering) PART II. 1923.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
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MECHANICAL BRANCH.

1.	Beni Madho Singh	Engineering College. B.H.U.	I
2.	Bijon Behari Bose		I
3.	Dhirendra Nath Chanda		II
5.	Karunamaya Rakshit		II
6.	Kedar Nath Sharma		I
8.	Navaratna Gupta		III
9.	Nishithanath Bhattacharya		I
10.	Nitai Pada Ghosh		II
11.	Panabi Kumar Datta		III
12.	Raghunandan Singh Tripathi		I

ELECTRICAL BRANCH.

4.	Gour Chandra Roy		III
7.	Mohit Kumar Mukerji		III
13.	Raja Rama		III
14.	Sati Prasanna Mukherjee		III

B.Sc. EXAMINATION (Engineering) PART I. 1923.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
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1.	Amalendu Bhushan Sanyal	B.H.U. Engineering College.	I
2.	Asa Nand Kapur		I
5.	Girindra Nath Bose		II
6.	Jagat Singh		II
7.	Jai Singh		II
8.	Kali Sahaya Mukherjee		I
9.	Kashinatha Bhattacharya.		III
10.	Khunni Lal Jain		I
12.	Narendra Nath Rudra		I
15.	Sanjib Bhattacharya		I
16.	Shivanadan Prasad Sinha		I

INTERMEDIATE EXAMINATION (Engineering)
PART II. 1923.

Roll No.	Name of candidate.	Name of College	Passed in Class.
1.	Ananta Kumar Bose	Engineering College.	II
2.	Anukul Chandra Sen	"	II
3.	Ashitaranjan Ghose	"	II
5.	Bimal Kanti Banerji	"	II
9.	Devi Dass Dhanda	"	I
10.	Dinkar Shridhar Sharangpani	"	II
11.	Dwijendra Nath Chatterjee	"	II
12.	G. Visvanatham.	"	I
14.	Haripado Bhadury	"	I
16.	Jaikrishna Das Parekh	"	I
17.	Jatindra Chandra Dutta Gupta	"	II
19.	Jethanand Diwan	"	I
20.	Keshav Vishwanath Kardile	"	I
21.	Kundan Lal Talwar	"	II
22.	Mahadeo Dattatraya Gharpure	"	I
26.	Niranjana Lal	"	III
29.	Promodbehari Purkayastha	"	II
30.	Promod Kumar Chattopadhyay	"	II
31.	Radhagobinda Das	"	I
32.	Radha Krishan Kshetrapal	"	II
35.	Santosh Kumar Bose	"	II
36.	Sarat Chandra Banerjee	"	II
38.	Satis Chandra Chakravarty	"	II
40.	Satyendra Nath Datta	"	III
41.	Saurindra Nath Basu	"	II
42.	Saurindra Nath Mojumdar	"	II
43.	Sham Kishan Kaicker.	"	II
44.	Shyam Lal Saksena	"	II
45.	Sudhansu Ranjan Roy Choudhuri	"	I
50.	Uma Shankar Mehrotra	"	II

INTERMEDIATE EXAMINATION
(Engineering) PART I. 1923

Roll No.	Name of candidate.	Name of college	Passed i class.
1.	Abinash Chandra Podder	Engineering College.	II
2.	Anadi Chandra Mukerji	"	II
3.	Ananta Mohan Chatterji	"	III
4.	Anil Chandra Kar	"	III
6.	Anilendra Nath Ghosh	"	II
7.	A. Visvanathan	"	II
10.	Bhuban Mohan Sarkar	"	II
11.	Bhujangabhushan Mandal	"	II
12.	Bibhuty Bhushan Sen Gupta	"	I
15.	Dattatray Chintamani Kanitkar	"	II
16.	Dhiresb Chandra Rai Choudhury	"	III
17.	D. Subramaniam	"	II
18.	Durga Das Sud	"	I
19.	Fateh Chand Sethi	"	II
20.	Gattoo Lal Jurwal	"	I
21.	Girija Prasad Bandyopadhyaya	"	II
22.	Girindra Nath Maity	"	I
23.	Gopal Yadeo Mangrulkar	"	I
24.	Gopinath Upadhyay	"	II
26.	Harbans Lal Dutt	"	II
27.	Janki Das Agarwal	"	II
30.	Joy Gobinda Majumder	"	II
31.	Joy Kishore Bhattacharyya	"	III
32.	Kalipada Maitra	"	III
33.	Kanshi Ram Minocha	"	II
34.	Karam Chand Bhatia	"	II
37.	Manohor Lall Thakar	"	I
38.	Mohamad Bashir	"	II
39.	Monoj Mohan Banerjea	"	III
40.	M. R. Visvanathan	"	II
47.	Nihar Ranjan Das Gupta	"	III
48.	Nihar Ranjan Datta	"	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
49.	Nila Kantha Koul	Engineering College.	III
50.	Niraja Ranjan Ray	"	III
52.	Nirmal Chandra Ghose	"	I
54.	Panna Lal Nandi	"	II
55.	Paresh Chandra Dutt	"	II
56.	Phanindra Bhushon Bose	"	III
58.	Priyatom Choudhuri	"	II
59.	Rajendra Chandra Bhaduri	"	II
60.	Rama Varma	"	I
66.	Saroj Bandhu Roy	"	III
67.	Satish Chandra De	"	III
69.	Satyendra Bimal Sen	"	III
70.	Shanker Lal Jain	"	II
71.	Sisir Chandra Chaudhuri	"	II
72.	Sri Charan Das Mathur	"	II
73.	Sudhanshu Ranjan Saha	"	III
77.	Surya Kumar Roy	"	II
78.	Susil Chandra Sen	"	II
79.	Susil Kumar Bhattacharyya	"	II
81.	Triloki Nath Bhatnagar	"	II
82.	Vijey Karan Sarda	"	II
83.	Vishnu Chandra Chatterjee	"	III
84.	Vishwamitra Bhargava	"	I

1924.

MADHYAMA EXAMINATION, 1924.

Roll No.	Name of candidate.	Name of college.	Passed in class.
5.	Dhanurdhara Jha	College of O. L. B. H. U.	III
7.	Nagendranatha Upadhyaya	"	II
8.	Nityananda Joshi	"	II
12.	Ramanuja Jha	"	II
13.	Syamadatta Panta	"	III
17.	Ramadatta Panta	"	II
19.	Lokamani Avasthi	"	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
20.	Sukharama Dasa	College of O. L., B. H. U.	III
22.	Visvanatha Pandeya	"	II
6.	Nandikesvara Sivacharya	"	(Comp.)

PRAVESIKA EXAMINATION, 1924.

Roll No.	Name of candidate.	Name of Pathshala.	Passed in class.
2.	Nityananda Sarma	Ranavira Samskrit Pathshala.	II
4.	Roopadeva Sarma	"	II
5.	Kedar Nath Misra	"	II
7.	Chandradatta Tripathi	"	II
10.	Balabhadra Upadhyaya	"	III
13.	Ramachandra Misra	"	III
17.	Radha Mohana Sharma	"	I.
20.	Vasudeva Chaube	"	II
21.	Virabhadra Chaturvedi	"	III
23.	Shanti Lal Gupta	"	II
25.	Haridatta Pandit	"	II
28.	Deva Kumar Jain	Private.	II
29.	Padam Chandra Jain	"	III
32.	Mohan Lal Jain	"	II

INTERMEDIATE EXAMINATION, 1924.

Roll No.	Name of candidate.	Name of college.	Passed in class.
1.	Abani Bhushan Bhattacharya	Central Hindu College.	II
2.	Achal Singh	"	III
3.	A. Gopaljee	"	III
4.	Alakhdhari Saran Roy	"	II
5.	Ambika Datta Upadhyaya	"	II
6.	Amritadeva Bhattacharya	"	II
7.	Anoop Sunder Lal	"	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
10.	Baboo Nandan Shahi	Central Hindu College.	III
11.	Bachan Lal	"	III
12.	Badri Narayan Singh	"	III
13.	Baijnath Prasad	"	III
15.	Baleshwar Nath	"	II
16.	Baleshwar Prasad	"	II
18.	Balshastri Jha	"	II
20.	Bangalore Gubbi Lakshminarayan	"	III
23.	Beermani Prasad Upadhyaya	"	III
24.	Bhadreshwar Roy	"	II
25.	Bhimrao Waman Deshmukh	"	III
26.	Bhawani Prasad Misra	"	III
27.	Bisheshwar Nath Jaitley	"	III
28.	Bindeshwari Prasad Upadhyaya	"	III
30.	Brinda Prasad Singh	"	III
31.	Chandradhar Issar	"	II
32.	Chandrika Prasad Singh	"	II
33.	Chandra Sekhar Prasad Verma	"	III
35.	Chhabil Chandra Varma	"	III
36.	Choudhuri Brijbehari Roy	"	III
37.	Daya Prasad	"	II
39.	Deva Nandan Misra	"	III
40.	Devendra Nath Sukul	"	III
41.	Devi Charan Varma	"	II
42.	Devi Dutta Misra	"	II
43.	Ganga Charan Dikshit	"	II
45.	Ganga Prasad Pandey	"	III
47.	Gaya Prasad Singh	"	II
49.	Govind Chandra Misra	"	III
50.	Gopi Nath Singh	"	III
51.	Gulab Narayan Sinha	"	III
52.	Guru Prasad	"	III
53.	Gyan Das Rai	"	III
54.	Harbaksh Singh	"	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
56.	Hari Har Nath	Central Hindu College.	II
57.	Hari Mohan Ram	"	III
58.	Hari Narayan Shukla	"	II
60.	Har Narain Choudhuri	"	III
61.	Hazari Krishna Chandra Shukla	"	III
62.	Himmat Singh	"	III
68.	Jagannath Prasad	"	II
69.	Jagannath Singh Mehra	"	III
70.	Jagannath Tewari	"	II
72.	Jagbhan Singh	"	II
73.	Jagdish Prasad	"	III
75.	Jai Krishna Marutirao Aklkar	"	I
78.	Jinwar Prasad	"	II
80.	Jugeshwar Prasad Singh	"	III
81.	Kailash Nath Saksewa	"	III
82.	Kamla Pati Tripathi	"	II
83.	Kamta Prasad Kacker	"	II
84.	Kanwar Deep Singh	"	III

Mathematics.

85.	Kapildeo Narain Sinha	"	III
86.	Kanwar Pem Singh	"	III
87.	Kashi Nath	"	II
88.	K. Bhaskaran Nair	"	II
89.	Kedar Nath Sharma	"	II
90.	Keshava Rama Pathak	"	III
92.	Krishna Sharana Pandey	"	III
94.	Kundan Singh Rawat	"	III
95.	Lakshmi Chand	"	II
96.	Lakshmi Rai	"	III
97.	Lakshman Datta Pathak	"	II
100.	Lala Sarju Saran	"	III
101.	Lallan Prasad	"	III
102.	Laxmi Narain Chaddha	"	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
103.	Loknath Trivedi	Central Hindu College.	III
105.	Mahesh Chandra Agarwal	"	II
106.	Mahesh Narayan	"	III
109.	Manharlal Pranlal Laxpati	"	I
111.	Maya Datt Khanduri	"	III
112.	Mukti Nath Pande	"	II
113.	Mukteshwar Kumar	"	III
114.	Murli Dhar Pandey	"	III
115.	Murli Dhar Sharma	"	III
116.	Nanak Saran Srivastava	"	II
117.	Nand Kishore Singh	"	III
118.	Nand Lal Sah	"	III
119.	Nanda Datt Gairola	"	III
122.	Narsingh Bahadur Srivastava	"	II
123.	Narsingh Datta Pande	"	III
124.	Narahar Gopalrao Moharil	"	II
126.	Om Prakash	"	III
127.	Param Hans Singh	"	III
128.	Prabhakar Janardan Jahagirdar	"	II
131.	Phulena Prasad Verma	"	III
133.	Prem Shanker Mehta	"	III
134.	Priti Adhikari	"	I
135.	Rabindranath Biswas	"	III
140.	Ram Charitra Sahi	"	III
141.	Ram Chetan Roy	"	III
143.	Ram Das Upadhyaya	"	III
144.	Ram Dhiraj Singh	"	III
145.	Rama Shankar Jani	"	II
147.	Rama Swaroop Tewari	"	III
149.	Ram Rup Ram Gupta	"	III
150.	Ram Saran Lal	"	III
151.	Ram Sewak Avasthy	"	III
152.	Rudra Prasad Srivastava	"	III
154.	Ramji Rai	"	II

Roll No.	Name of Candidate.	Name of College.	Passed Class.
156	Sachchidanand Bharatiya	Central Hindu	II
157	Sadashiv Jagannath Sapre	College, Benares.	III
159	Sahadeva Shukla	„	III
161	Sarat Chandra Chatterji	„	II
162	Saryoo Prasad Sinha	„	II
164	Satyanarain Prasad	„	III
165	Satyanarayan Singh I	„	III
166	Satya Narain Singh II	„	III
167	Shakti Nath Choudhari	„	III
168	Shambhu Nath	„	III
169	Shanti Prasad Shukla	„	II
171	Shew Shankar Mall	„	III
174	Shiva Prasad Pandey	„	II
176	Shiva Datt Tewari	„	II
178	Shri Krisnna Vaidya	„	II
180	Shyam Narain Rai	„	II
182	Sita Ram Varma	„	III
183	Soti Bharat Kumar	„	III
185	Suraj Nath Roy II	„	III
187	Surya Kumar Dikshit	„	I
188	Suryya Nath Roy I	„	III
189	Surya Narain Singh	„	II
190	Suryya Narain	„	III
191	Tara Prasad Srivastava	„	III
193	Tribhuwan Nath Sukul	„	III
194	Togera Vishweshwar	„	II
197	Vishwanath Singh II	„	II
200	Yaswant Lal Nagar	„	II
201	Yogindra Lal	„	III
202	Saolaram Keshao Kango	Private	III
203	Indu Bala Banerjee	„	III
204	Kesh Kumari Shargha	„	II
205	Leela Gharpurey	„	II
206	Nayana Devi	„	III
207	Pratibha Roy	„	II

Roll No.	Name of Candidate.	Name of College	Passed in class.
209	Srimati Bina Ghosh	Central Hindu College	I
210	Achyuta Nand Verma	"	III
212	Akhileshwari Prasad Varma	"	II
222	Baijnath Gupta	"	II
224	Balbir Bahadur Saxena	"	II
228	Bhoia Nath	"	II
229	Bindbasini Prasad Sinha	"	III
231	Brijendra Shankar Mathur	"	III
234	Bishwanath Prasad Misra	"	II
235	Chandra Prakash Agarwala	"	II
237	Chaturbhuj Sahay Shrivastava,	"	II
238	Cheruvu Rama Krishaiyya	"	II
240	Chimman Lal Gupta	"	III
241	Deoki Nandan Sahai	"	II
244	Dulal Ch ndra Bhattacharjee	"	III
247	Fateh Singh	"	III
251	Ghan Shyam Narayan Das	"	II
252	Gopal Krishna Dube	"	II
253	Gopalji Mehrotra	"	II
254	Gopesh Chandra Mazumdar	"	III
257	Haribhau Raghoba Dani	"	III
260	Hari Har Nath Shukla	"	I
263	Har Narain Singh	"	II
264	Hari Prasad Dutta	"	III
265	Hem Kumar Sen	"	III
266	Indu Mohan Saklani	"	II
267	Ishwari Prasad Singh	"	III
268	Jagannath Pande	"	II
270	Jagdish Prasad Thaplyal	"	III
271	Jayaram Anant Oke	"	II

Roll No. 238 distinction in Chemistry.

Roll No. 260 distinction in Chemistry and Mathematics.

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
274	Kamala Prasad Singh	Central Hindu College.	II
275	Kapildeo Narayan Sinha	"	III
279	Kunwar Bahadur Mathur	"	II
280	Lakshmi Chand	"	III
281	Lalit Kishore Singh	"	II
282	Lal Raj Bahadur Singh	"	II
284	Makhan Lal Roy Chowdhury	"	II
285	Makhan Lal Das	"	II
286	Mewa Lal	"	II
287	M. K. Gopala Pillay	"	II
288	Mosalicanti Sundari Bai	"	II
289	Mahadeo Hari Desai	"	III
290	Mahadeo Raghunth Gurjar	"	III
291	Manindra Nath Bhattacharya	"	III
294	Muni Singh	"	III
295	Murli Dhar Srivastava	"	II
297	Nand Gopal Narain	"	III
298	Nandan Singh Rawat	"	III
305	Pandrangi Gopala Rao	"	II
307	Prafulla Ronjon Banerji	"	II
309	Prem Nath Sahai	"	II
310	Prem Sundar Lal	"	II
311	Rabindra Kumar Bose	"	II
312	Rabindra Nath Das	"	II
314	Raghubir Prasad	"	I
316	Raghu Nandan Lal	"	III
317	Raghunath Vaishampayan	"	III
318	Rai Deo Raj Bali Mathur	"	III
319	Rai Har Nath Bali Mathur	"	II
321	Raj Narayan Tandon	"	II
324	Ram Narayan Varma	"	II
325	Ram Nath Singh	"	III
328	Ram Saroop Singh	"	II
329	Ram Swarup Chaturvedi	"	I

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
331	Rama Shankar Singh	Central Hindu College.	III
332	Rang Raj Bahadur Singh	"	II
335	Shashindra Prasad Lahiry Choudhury		III
336	Shatrughna Prasad Singh		III
337	Shailesh Chandra De		II
344	Shri Rama Saran Singh		II
347	Singhasani Prasad		II
352	Someshwar Nath Dar		I
355	Subramania Sastry Narasimha		III
356	Suraj Pratap Narain Sinha		III
358	S. Moti Lal		II
362	Thakur Vishwa Nath Singh		II
363	Trimbak Bapurao Rahatgaonkar.		III
364	Tulsi Ram Tandon		III
365	Umajivan Banerji		II
367	Vangury Subba Rao		II
368	Vichitra Kumar Srivastava		II
370	Abdul Ahad		Comp.
371	Bachechoo Lal		
372	Balram Prasad Gupta		
374	Bindhyachal Pd. Varma		
375	Bishwa Nath Roy		
379	Ganendra Krishna Mukhopadhyaya		
380	Indu Bhushan Mukerji		
381	Jagannath Prasad II		
382	Jwala Prasad Srivastava		
383	Kashi Nath Sharma		
385	Kedar Nath Jha		

Roll No.	Name of Candidate.	Class.
386	Kedar Nath Sinha	Comp.
387	Kshirod Gopal Mukhopadhyay	"
392	Munna Lal	"
393	Nageshwar Prasad	"
397	Ram Nath Yaksh	"
398	Shailendra Nath Mukarji	"
399	Shambhu Narayan Chaube	"
400	Shamsher Bahadur Singh	"
401	Saiyed Nazir Hassan	"
402	Shiromani Singh Chauhan	"
403	Shriniwas Jha	"
406	Trilok Nath Saksena	"
408	Vipin Behari Srivastava	"

ADMISSION EXAMINATION 1924.

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
4.	Amar Dhari Misra	22-6	Brahman	Private.	II
5.	A. R. Janaki Ammal	16-9			II
6.	Athma Kuri Venkata Krishnamacharyulu	19-6	Hindu		III
7.	Atma Ram	15-11	Vaish		II
8.	Avadh Bihari Singh	17-2-28	Brahman		II
10.	Badri Narayan	19-10	"		III
12.	Balmukund	22-5	Kayastha		III
15.	Bhagwan Prasad Singh	25-5	Brahman		III
18.	Bhrigunath Pandeya	22-6			II
19.	Bibhuti Prasad Acharya	20-6			III
20.	Bindeshwari Prasad	24 0-20	Kayastha		II
27.	Brindaban Lal	23-6	"		III
28.	Chandra Mauli Sinha	21-6	"		III
30.	Chunni Lal	21-6	Vaish		III
33.	Deoki Nandan Singh	24-6	Kshattriya		III
37.	Durgabai Prahlad Jog	22-5	Brahman		II
38.	Dwarka Prasad Singh	17-9	Kshattriya		III
39.	Gadadhar Prasad Varma	19-0	Kayastha		III

Roll No. 37 distinction in Marathi.

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
40.	Gangarani Bagchi	16-1-3	Brahman	Private	III
42.	Gaya Prasad Daivadyan	19-7	"	"	III
45.	Gorakh Nath Joshi	23-8	"	"	II
47.	Guru Prasad	29-4	Kayastha	"	III
48.	Harihar Prasad Varma	23-0	"	"	III
51.	Indulekha Ghosh	16-4	"	"	II
52.	Ishwar Dat Sinha	23-6	"	"	II
54.	Jagdish Narain Panday	19-3	Brahman	"	III
55.	Jagpati Chaturvedi	19-6	"	"	II
56.	Jai Gopal Dwivedi	21-6-11	"	"	III
57.	Janaki Prasad Srivas- tava	28-5	Kayastha	"	III
58.	Jang Bahadur Singh	19-0-22	Kshattriya	"	III
60.	Jasoda Nandan Srivas- tava	21-10	Kayastha	"	III
64.	Kailash Nath	20-	"	"	II
66.	Kanhaiya Panday	23-6	Brahman	"	III
70.	Krishna Chandra Shukla	22-8-5	"	"	III
72.	Lakshmi Narayan Misra	18-9	"	"	II
74.	Madhumalati Kanitkar	17-2	"	"	II
79.	Moreswar Bapuji Joshi	21-5	"	"	II
80.	Mul Chand Kapur	18-0	Khatttri	"	III
85.	Narsingh Nath Tripathi	22-6	Brahman	"	II
87.	Nathu Ram Dowlat Ram Dube	19-11	"	"	III
90.	Pateshwari Prasad Singh Kalahans	24-4	Kshattriya	"	III
91.	Radha Devi	16-11	Brahman	"	II
93.	Raghunandan Prasad	24-2	Kayastha	"	III
94.	Raghunath Prasad Shukla	19-0	Brahman	"	II
99.	Rama Surat Singh	20-6	Kshattriya	"	III
101.	Ram Charitra Prasad Sharma	18-0	Brahman	"	III
103.	Ram Kishore Lal	23-10	Kayastha	"	III
106.	Ram Naresh Tripathi	17-10	Brahman	"	III

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
109.	Ram Prashad Agarwal	22-9	Agarwal	Private	III
110.	Ram Singasan	22-6	Kayastha	,,	III
113.	Ram Shanker Lal	21-6	,,	,,	II
114.	Ram Udit Sukla	23-5	Brahman	,,	III
115.	Rasik Behari Lal	22-4	Kayastha	,,	II
116.	Ratan Lall Malaiya	18-3	Jain	,,	II
117.	Sadaphal Pande	19-6	Brahman	,,	II
122.	Sheo Shankar Singh	23-8	Kshattriya	,,	III
124.	Shilavati Vatsalya	15-11	Vaishya	,,	II
127.	Shri Prakash Gupta	17-8-16	,,	,,	II
128.	Shyama Nandan Prasad Pandey	19-2	Brahman	,,	III
135.	Triloki Nath Verma	19-0	Kayastha	,,	III
138.	Udai Shankar Dubey	20-6	Brahman	,,	III
143.	Vishwanath Lal Srivastava	26-6	Kayastha	,,	II
148.	Kanhaiya Lal Verma	18-9	,,	,,	III
151.	Anand Swaroop Bhatnagar.	17-11	Kayastha	Theosophical National School Benares.	II
152.	Batuk Nath Dubey	16-4	Brahman	,,	II
153.	Bhagwan Prasad Srivastava	17-10	Kayastha	,,	III
154.	Chandra Shekhar Saran	15-3	,,	,,	II
155.	Gurudas R. Phansalkar	15-1	Brahman	,,	II
156.	Gopal Das Gujaraty	17-4	Vaishya	,,	III
157.	Ganga Prasad Khare	16-11	Kayastha	,,	II
158.	Govind Das Parekh	18-8	Vaishya	,,	III
161.	Kunwar Krishna Topa	16-0	Brahman	,,	III
162.	Keshav Bapuji Kirtikar	18-10	,,	,,	II
163.	Piyush Kumar Basu	15-6	Kayastha	,,	II
165.	Ranendra Nath Dutt	15-11	,,	,,	II
166.	Raghunath Prasad Srivastava	21-1	,,	,,	II

(1) Roll No. 113 distinction in Urdu.

(2) Roll No. 166 distinction in Drawing.

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
167.	Rajendra Robatgi	17-8	Kshattriya	Theosophical National School, Benares.	II
168.	Sita Ram Pathak	19-6	Brahman	"	I
169.	Shri Krishna Joshi	18-7	"	"	III
170.	Satya Charan Roy	17-2	Vaidya	"	II
171.	Vishwanath Pakrasy	15-6	Brahman	"	II
172.	Ahi Bhushan Bhattacharya	15-11	Brahman	Central Hindu School Benares.	II
173.	Apurba Chandra Bhatta-charya	18-2	"	"	II
175.	Bajjnath Prasad	18-6	Agarwal	"	II
177.	Banke Behari Lal	18-3	Kayastha	"	III
179.	Bashistha Narayan Misra	19-2	Brahman	"	II
181.	Bhagwati Prasad Srivastava	16-1	Kayastha	"	III
182.	Bharadwaj Chakravarti	15-0	Brahman	"	III
186.	Brij Gopal Misra	23-7	"	"	III
187.	Chandra Ballabha Bajpai	18-10	"	"	II
188.	Chandra Deo Dikshit	17-4	"	"	II
190.	Chandrika Prasad Rai	19-0	"	"	III
191.	Chintamani Rao Kaple	18-10	Brahman	"	III
193.	Dayashankar Singh	18-9	Kayastha	"	III
195.	Durga Dass Bhanubhaskar	17-3	Brahman	"	II
196.	Durga Das Dhara	18-3	Baishya	"	II
197.	Dwaraka Bhamidipati Suryanarayana Sastry	15-0	Brahman	"	III
200.	Ganganmohan Moitra	16-9	"	"	II
201.	Ganga Prasad Gangopadhy	19-0	"	"	III
202.	Gauri Shankar Dwivedi	19-6	"	"	III
203.	Gaurishankar Lal	17-4	Agarwal	"	III

N. B. (1) Roll No. 168 distinction in Mathematics.

(2) " " 170 " "

(3) " " 175 " "

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
204.	Gaurishankar Prasad Singh	16-11	Brahman	Central Hindu School, Benares.	III
205.	Gaurishankar Ram	22-6	Vaishya		II
206.	Girish Chandra Pande	17-10	Brahman		III
207.	Gorakh Nath Roy	17-11			III
208.	Hemendranath Bhattacharya	18-3			III
209.	Jagannath Prasad Sharma	18-6			III
210.	Jagatnarain Prasad Agarwal	18-6	Agarwal		III
212.	Jung Bahadur Singh	20-8	Brahman		III
213.	Kali Krishna Chatterjie	18-7			III
214.	Kamta Prasad Srivastava	16-2	Kayastha		III
215.	Kshitish Chandra Biswas	15-3	Brahman		II
216.	Krishna Murarilal	16-11	Agrawal		III
217.	Lal Bahadur Sharma	18-0	Brahman		III
218.	Lalit Mohan Tandon	16-6	Khatttri		III
220.	Mahima Dat Chandola	19-2	Brahman		III
221.	Manindranath Banerji	18-0			III
222.	Manmohan Das Sah	15-11	Agarwal		III
224.	Mukteshwar Upadhyaya	17-0	Brahman		III
225.	Mukund Lal Nagar	18-4			III
226.	Murli Manohar Jhingron	17-8			III
227.	Nagendra Deva Varma	16-11	Khatttri		III
229.	Nalini Ranjan Banerji	15-3	Brahman		III
231.	Narendra Kanta Bhatta- charji	18-2			III
232.	Natheshwar Jha	17-9			III
234.	Rachakonda Purneshwar Sharma	17-2			III
235.	Raj Bali Prasad	16-6	Khattria		III
240.	Ram Suresh Pande	17-8	Brahman		III
241.	Sanarendra Krishna Roy	15-11	..		II
242.	Sarjoo Prasad Gupta	21-6	Vaishya		III
244.	Shambhunath Mukherjee	16-4	Brahman		III

Roll No.	Name of candidate.	Age.	Caste.	Name of School.	Passed in Class.
245.	Shamblhunath Pathak	17-2	Brahman	Central Hindu School, Benares.	III
247.	Sheopujan Singh	16-0	Kshattriya	„	III
249.	Shibendranath Mukherjee	19-10	Brahman	„	III
250.	Shishir Kumar Sen	20-11	Kayastha	„	III
251.	Shree Ramji Srivastava	18-3	„	„	III
252.	Shrinath Roy	14-6	Brahman	„	III
253.	Shripati Singh	16-11	Kshattriya	„	II
255.	Shyama Pado Mukherjee	17-1	Brahman	„	II
256.	Shyam Narain Singh	17-6	„	„	II
258.	Siddheshwar Pattaddeva	23-5	„	„	III
262.	Sudhanshu Shekhar Bauerji	15-8	„	„	II
263.	Sumadhab Tagore	15-5	„	„	III
264.	Taraprasanno Sanyal	16-4	„	„	II
265.	Tincouri Mukerjee	16-8	„	„	II

B. Sc. EXAMINATION (Engineering) PART II.—1924.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
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MECHANICAL BRANCH.

1.	Amalendra Bhushan Sanyal	Engineering College B.H.U	II
3.	Girindranath Bose	„	III
4.	Jagat Singh	„	II
7.	Kashinath Bhattacharya	„	III
10.	Sanjib Bhattacharya	„	II
11.	Shiva Nandan Prasad Sinha	„	I
12.	Susil Roy	„	III

ELECTRICAL BRANCH.

2.	Asanand Kapur	„	I
5.	Jai Singh	„	I
6.	Kali Sahaya Mukhopadhyaya	„	I
8.	Khunni Lal Jain	„	II
9.	Narendra Nath Rudra	„	I

B. Sc. EXAMINATION (Engineering) PART I.—1924.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
1.	Ananta Kumar Bose	Engineering College B.H.U.	II
2.	Anukul Chandra Sen	"	II
3.	Ashita Ranjan Ghosh	"	II
4.	Ashutosh Paul	"	II
5.	Benoy Kumar Mitra	"	II
6.	Bimal Kanti Banerji	"	II
7.	Devi Dass Dhanda	"	I
8.	Dinkar Shridhar Shrangpani	"	II
9.	Dwijendra Nath Chatterjee	"	II
10.	G. Vishwanathan	"	I
11.	Hari Pada Bhaduri	"	II
12.	Jai Krishna Das Parekh	"	II
13.	Jatindra Chandra Datta Gupta	"	III
14.	Jetha Nand Diwan	"	I
15.	K. V. Kardile.	"	I
16.	Kundan Lal Talwar	"	II
17.	Lalta Prasad Asthana	"	II
18.	Mahadeo Dattatraya Gharpure	"	III
20.	Nirmal Chandra Mukherjee	"	II
22.	Promod Kumar Chattopadhyay	"	II
23.	Radha Govinda Das	"	II
24.	Radha Krishna Kshetrepal	"	II
25.	Santosh Kumar Bose	"	III
27.	Sarojpani Choudhury	"	H
30.	Sourindra Nath Basu	"	II
31.	Sourindra Nath Mojumdar	"	II
33.	Sham Lal Saksena	"	I
34.	Sudhansu Ranjan Roy Choudhury	"	I.
35.	Uma Shankar Mehrotra	"	III

INTERMEDIATE EXAMINATION (Mining and
Metallurgy) PART I. 1924.

Roll No.	Name of candidate.	Name of College	Passed in Class.
1.	Brijbasi Lal Sexena	Department of Mining & Metallurgy B. H. U.	II
3.	Kalikanando Goswami	"	III
4.	Krishna Kali Bose	"	III
5.	Ram Swarup	"	III
6.	Salil Kumar Chatterjee	"	II
9.	Sisir Kumar Bhattacharya	"	II
10.	Suraj Prakash Dandona	"	II

INTERMEDIATE EXAMINATION (Engineering)
PART II. 1924.

Roll No.	Name of candidate.	Name of College,	Passed in Class.
1.	Abinash Chandra Podder	Engineering College, B.H.U.	II
2.	Anadi Chandra Mukherji	"	I
3.	Ananta Mohan Chatterji	"	III
4.	Anil Chandra Kar.	"	III
5.	Anilendra Nath Ghosh	"	III
7.	Bhola Nath Basak	"	II
9.	Bhujangabhusan Mandal	"	II
10.	Bibhuty Bhusan Sen Gupta	"	I
11.	Brij Mohan Lal Ahuja	"	II
12.	B. V. Raju	"	I
14.	Debendra Nath Ghosh	"	II
15.	Dhiresk Chandra Roy Choudhury	"	II
16.	D. Subramaniam	"	I
17.	Durga Das	"	I
18.	Gattoo Lal Jurwal	"	II
20.	Girindra Nath Maity	"	I
21.	Gopal Yadeo Mangrulkar	"	I
22.	Gopi Nath Upadhyaya	"	II
24.	Harendra Kumar Ghosh	"	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
25.	Jagadindu Bhushan Mukherjee	Engineering College. R. H. U.	II
26.	Janki Das Aggarwal		II
27.	Jatish Ch. Chakravarty		II
28.	Joy Gobinda Majumdar		II
31.	Kanshi Ram Minocha		I
32.	Karam Chand Bhatia		II
33.	Manohar Lal Thakar		II
34.	Mohamad Bashir		I
35.	Mohan Chandra Pande		I
37.	M. R. Visvanathan		II
38.	Naresh Chandra Das Gupta		II
41.	Nila Kantha Kaul		III
43.	Nirmal Chandra Ghose		II
44.	Panna Lal Nandi		III
45.	Paresh Chandra Dutt		III
47.	Prafulla Kumar Dutta		II
48.	Prafulla Kumar Roy Choudhury		II
49.	Priyatom Choudhury		II
50.	Rajendra Chandra Bhaduri		II
51.	Rama Varma		II
52.	Ramesh Chandra Rai Choudhury		I
53.	Sailaja Kinkar Samanta		II
54.	Saroj Bandhu Roy		III
55.	Satish Chandra De		II
57.	Shankar Lal Jain		II
58.	Sisir Chandra Chaudhuri		II
59.	Sri Charan Das Mathur		II
60.	Sudhansu Ranjan Saha		I
61.	Sudhindra Prosad Niyogi		II
62.	Surya Kumar Roy		II
63.	Susil Chandra Sen		II
64.	Susil Kumar Bhattacharya		II
65.	Tarini Kumar Palit		II
66.	Trilochan Singh Sodhi		II

INTERMEDIATE EXA. (ENG.) PART II 1924. 1315

Roll No.	Name of Candidate	Name of College	Passed in Class.
67.	Triloki Nath Bhatnagar	Engineering College B. H. U.	I
68.	Vijai Karan Sarda	"	"
70.	Vishwamitra Bhargava	"	"

INTERMEDIATE EXAMINATION (ENG.) PART I.

Roll No.	Name of Candidate	Name of College	Passed in class.
	Abdul Majid Khan	Engineering College. B. H. U.	II
4.	Amalendu Prakash Deb		I
6.	Ambika Charan Maitra		III
8.	Anand Vishnoo Deodhar		II
9.	Anil Kumar Gangopadhya		II
10.	Asutosh Mitra		II
12.	Aswini Kumar Dalal		III
14.	Bal Krishna Shukla		III
17.	Bhagvandas Atmaram Mehta		II
18.	Bhagwan Dass Malhotra		II
19.	Bijon Kumar Sinha		II
21.	Biman Bihari Das Choudhuri		II
23.	Birendra Nath Sen Gupta		III
26.	Broja Gopal Choudhury		III
29.	Dhirendra Mohan Banerjee		III
30.	Dwijendra Nath Sarkar		III
31.	Girdhari Lal		I
32.	Girindra Kumar Choudhury		I
33.	Goverdhan		II
35.	Gyanendra Nath Vatal		II
39.	Hari Charan Kar		II
40.	Hari Krishna Malik		III
41.	Hem Chandra Ghosh		III
43.	Indu Bhushan Mukhopadhyaya		II
44.	Jagdish Prasad Srivastava		II
48.	Jatindra Nath Mukherjee		III
52.	Joga Jiban Ghosh		III

Roll No.	Name of Candidates	Name of College	Passed in class.
54.	Jyotish Chandra Mukherjee	Engineering College, B. H. U.	II
55.	Kalidas Nag	"	III
59.	Komollesh Chandra Saha	"	III
60.	Lakhsmi Narain Mathur	"	III
61.	Lalit Mohan Das	"	II
62.	Madan Gopal Mittra	"	IV
65.	Megh Raj Aggarwal	"	I
68.	Mrinal Kanti Choudhury	"	II
69.	M. S. Sheshachala Bharadwaj	"	I
70.	Nagendra Nath Nath.	"	III
71.	Nirmal Chandra Sen Gupta	"	III
72.	Nirmalendu Bhushan Mukerji	"	III
73.	Nripendra Nath Sen Gupta	"	III
75.	Pitambar Kishore Jain	"	II
80.	P. S. Meenakshi Sundaram	"	I
82.	Rabindra Nath Roy	"	II
83.	Raghu Nath Agarwal	"	II
84.	Raj Behari Lall	"	III
89.	Ram Krishna Selot	"	II
90.	Ram Lal Joneja	"	I
92.	Robindra Lal Bose	"	III
94.	Sachindra Nath Mukhopadhyaya	"	II
100.	Sasanka Bhusan Ghosh	"	II
101.	Satis Ranjan Sen	"	III
102.	Satya Narayan Chatterji	"	I
106.	Surendra Chandra Gupta	"	III
107.	Tripnari Saran Singh	"	II
108.	Upendra Lal Sen Gupta	"	III
109.	Vaidyanath Pandeya	"	III
110.	Vasudeo Ram Chandra Oak	"	II

1925.

MADHYAMA EXAMINATION, 1925.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
1.	Avadh Kishore Misra	College of Oriental Learning B.H. U., Benares.	II
3.	Kasturachandra Jain	"	II
4.	Gaya Prasad Dikshit	"	II
5.	Jagannatha Tiwari	"	I
8.	Bhimadasa Vaishnava	"	II
9.	Madho Chandra Jain	"	II
10.	Mitrananda Dvivedi	"	III
13.	Rajendra Chandra Bhattacharya	"	I
14.	Ramapravesa Tripathi	"	II
15.	Baidyanatha Tripathi	"	II
16.	Shiva Prasada Pandeya	"	II
17.	Srisankara Sivacharya	"	II
18.	Sahadeva Sukla	"	II
20.	Sitarama Tripathi	"	II
21.	Hazari Prasada Dvivedi	"	I
24.	Gurudatta Sarma	College of Theology B.H.U. Benares.	III
28.	Chandrabali Prasada Pandeya	College of Oriental Learning B.H. U., Benares.	III
29.	Taradatta Pandeya	"	II
30.	Damodar Prasad Kukreti	"	II
32.	Mahaprasad Pandeya	"	II
33.	Ramanuj Tripathi	"	II
35.	Visvanatha Dvivedi	"	II
36.	Srinatha Pathaka	"	II
41.	Bhavani Prasada Pandeya	" (Comp)	
42.	Raghuvir Pandeya	"	"
44.	Bhairav Prasada Shukla	"	"

PRAVESIKA EXAMINATION 1925.

Roll No.	Name of candidate.	Name of Pathasala.	Passed in Class.
3.	Akshaivata Tripathi	Kanavira Samskrit Pathasala.	II
4.	Kedar Natha Pandeya		II
5.	Ganga Prasada Dhyani		III
7.	Narayana Govind Desai		III
8.	Nandalala Tripathi		II
11.	Maheshvara Gouda		II
12.	Muttu Rama Ghanapathi		II
13.	Ramasvarupa Sanadhya		III
14.	Ramakrishna Misra		II
16.	Ramanaresa Pandeya		III
19.	Ramasubhaga Tripathi		III
20.	Vaidyanatha Sarma		II
21.	Sivadayalu Misra		III
23.	Sitarama Sarma		II
25.	Sivarama Sarasvata		II
26.	Kamal Kishore Jain	Private.	II
29.	Kamta Prasada Dube		II
30.	Jyotiswarupa Jaina	"	II
32.	Balakrishna Jaina	"	III
34.	Ratanlala Jaina	"	II
35.	Sunahria Lala Jaina	"	III

INTERMEDIATE EXAMINATION, 1925.

Roll No.	Name of Candidate.	Name of College.	Passed in Division.
134.	Shiva Datta Gyani	Central Hindu College, Benares.	I
147.	Vasudeva Sharana Agrawala	"	I Distinction in Samskrit.
1.	Aditya Prasad	"	II
5.	Amolakh Chand Jain	"	II
22.	Bhanwar Jaswant Singh	"	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
32.	Bithal Das Agarwala	Central Hindu College Benares.	II
35.	Chandradip Narayan Srivastava	„	II
35.	Chandra Datta Jha Dwary	„	II
37.	Chandra Shekhar Pandey	„	II
38.	Chandreshwar Prasad Sharma	„	II
40.	Deva Narayan Tiwari	„	II
43.	Durga Shankar Dube	„	II
44.	Gajanan Janardan Kathardekar	„	II
59.	Harish Chandra Tandon	„	II
63.	Jadunath Rai	„	II
64.	Jagdish Chandra Medhi	„	II
71.	Jatindra Kumar Bhattacharya	„	II
72.	Jawahir Lal Gupta	„	II
73.	Joshi Ratneshwar	„	II
74.	Jwala Prasad	„	II
75.	Kali Pujan Dwivedi	„	II
77.	Kunwar Kishen Singh	„	II
88.	Kumar Jadavendra Prasad Singh Deo	„	II
90.	Lakshmi Chandra	„	II
107.	Parmeshwar Dayal Singh	„	II
108.	Prabhu Dayal	„	II Distinction in Hindi (Comp.)
111.	Raghu Banish Sinha	„	II
119.	Ram Tapasya Upadhyaya	„	II
121.	Rama Kanta Pandey	„	II
124.	Ram Naresh Tiwari	„	II
125.	Ram Ratan Singh	„	II
128.	Sabha Shankar Dube	„	II
135.	Siva Nandan Lal Dar	„	II
137.	Shiva Sharma Mahajan	„	II
139.	Shukdeo Chaubey	„	II Distinction in Hindi (Comp.)
143.	Sunder Lal	„	II
146.	Trimbak Pandhari Nath Telang	„	II

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
148.	Vishwanath Mishra	Central Hindu College Benares.	II
3	Amar Nath Chakraborty		III
4.	Ambika Charan Shukla		III
6.	Amritlal Kishanji Naik		III
7.	Anand Prasad Agarwal		III
9.	Badri Narain Singh		III
10.	Bagishwari Prasad		III
11.	Baijnath Saxena		III
18.	Bhagwan Prasad		III
19.	Bhagwati Singh		III
21.	Bhairab Datt		III
24.	Bhawani Dat Uprety		III
25.	Bhim Sen Singh		III
28.	Bijai Bahadur Rai		III
30.	Biswambhar Nath Mehrotra		III
39.	Debi Prasad		III
41.	Din Dayal Sharma		III
42.	Durga Prasad Rai		III
45.	Ganesh Singh		III
47.	Goti Ram Patel		III
48.	Govinda Das Gujrati		III
51.	Hansa Dat Tripathi		III
53.	Hanumant Ram Tripathi		III
54.	Hardeva Sahaya		III
56.	Hari Har Narain		III
57.	Hari Shannker Avasthi		III
61.	Indra Bahadur Singh		III
62.	Indra Vikram		III
65.	Jagannath Tiwari		III
66.	Jagat Narain Upadhyaya		III
67.	Jag Mohan Singh Negi		III
69.	Jaleshwar Kumar Sinha		III
78.	Kashiraj Prodhan		III
81.	Kedar Nath Lal		III

Roll No.	Name of candidate.	Name of College.	Passed in Class.
83.	Krishna Vithoba Patel	Central Hindu College Benares.	III
89.	Krishna Das Munsi	"	III
91.	Lala Shyama Nand Sinha	"	III
95.	Mithan Chaudhry	"	III
97.	Nagendra Prasad	"	III
98.	Nanak Chandra	"	III
100.	Narain Dutta	"	III
101.	Narayan Das Katore	"	III
102.	Narayan Laxman Tatthe	"	III
103.	Navadhee Chaudhry	"	III
104.	Nawal Kishore Tewari	"	III
109.	Prem Beharilal Mathur	"	III
110.	Radha Krishna Upadhyay	"	III
117.	Ram Briksh Ram	"	III
118.	Rama Das	"	III
123.	Rameshwar Prasad Shrivastava	"	III
126.	Ram Shakal Dube	"	III
130.	Sarda Sadan Choudhary	"	III
131.	Sahabzade Singh	"	III
141.	Shyam Lal Batham Vaishya	"	III
142.	Sripat Narayan Roy	"	III
144.	Syamaopodo Banerji	"	III
149.	Vishwa Nath Singh I	"	III
153.	Barada Kanta Bhattacharya	"	III
154.	Brij Behari Shukla	"	III
155.	Gaya Prasad Saksena	"	III
156.	Indra Deo Prasad Sinha	"	III
157.	Iqbal Bahadur	"	III
158.	Jadubir Pathak	"	III
160.	Lakshmi Narain Sinha	"	III
161.	Maheshwari Narain Singh	"	III
162.	Mangal Dhari Sinha	"	III
166.	Raghu Nath Rai	"	III
167.	Rama Shankar Pande	"	III

Roll No.	Name of Candidate.	Name of College	Passed in Class.
169.	Sahdeo Singh	Central Hindu College Benares.	III
170.	Sanchan Tewari	"	III
172.	Sheo Shanker Narain Sinha	"	III
175.	Shree Narain Singh	"	III
177.	Vasant Pandurang Mahajan	"	III
178.	Vishwa Nath Pande	"	III
180.	Jiut Ram	"	III
336.	Ganga Phal Roy		Comp.
338.	Harkesh Narain Roy		
339.	Jagadamba Prasad Singh	"	
346.	Rafi Ullah Khan	"	
347.	Raghubansa Behari Mathur		
352.	Shiva Pujan Rai		
354.	Shyam Behari Sharma		
360.	Waman Anandrao Deshmukh		

SCIENCE.

Roll No.	Name of candidate.	Name of college.	Passed in class.
200.	Chandra Mohannath Chak	Central Hindu College, Benrres.	I
231.	Kripal Singh		I Distinction in Chemistry.
241.	Maheshendra Shankar Mathur		I
182.	Achita Prasad Srivastava		II
184.	Avtar Narayan Kaul		II Distinction in Hindi
185.	Babu Lal Tripathi		II
187.	Baijnath Das		II
192.	Bhagawaty Singh		II
193.	Birendra Gupta		II
195.	Bireshwar Das Ghosh		II
196.	Bisheshwar Dayal Gupta		II
198.	Brijraj Bahadur Johri		II
203.	Bhal Gopal Singh		II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
206.	Dnyandeo Narayanrao Bahalkar	,,	II
209.	Ganga Prosad Chowdhry	,,	II
210.	Gangadhar Lakshman Nighoskar	,,	II
213.	Govind KhushaIrao Pangarkar	,,	II
218.	Hemendra Nath Sen	,,	II
223.	Jagannath Prasad Tiwari	,,	II
225.	Jata Shankar Misra	,,	II
228.	Kottapalli Jagannadha Raj	,,	II
229.	K. B. Jinaraja Hegde	,,	II
232.	Krishna Das	,,	II
234.	Kumud Chandra Chakravorty	,,	II
238.	Lakshmi Nath Verma	,,	II
242.	Mohendra Nath Sharma	,,	II
248.	Naresb Chandra	,,	II
252.	Pran Nath	,,	II
253.	Pratap Singh Kishan Singh		
	Gautam	,,	II
260.	Rama Kant Mishra	,,	II Distinction in Chemistry.
261.	Ramendra Narain Moitra	,,	II Distinction in Bengali Composition
264.	Ram Pujan Roy	,,	II
267.	Ram Lal Khera	,,	II
268.	Ram Rao Gopal Patil	,,	II
270.	R. Narayana Rao	,,	II
272.	Satindra Mohan Modak	,,	II
274.	Shambhu Nath Hukku	,,	II
277.	Sri Krishna Saran	,,	II
287.	Udai Narain Singh	,,	II
289.	Vishnu Kumar Sanghi	,,	II
291.	Vishnu Lakshman Nighoskar	,,	II
292.	Yaswant Sahay	,,	II
294.	Ajendra Pal Sharma	,,	II
300.	Brij Narain Dar	,,	II
301.	Chandrika Prasad	,,	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
309.	Nagendra Kanta Bhattacharjee	Central Hindu College, Benares.	II
312.	Raghubir Singh	"	II
315.	Sailendra Nath Saha	"	II
322.	Baldeva Sahaya	"	II
188.	Balbhim Vaman Kelkar	"	III
189.	Balbir Narayan Sharma	"	III
190.	Bal Mukund Das	"	III
197.	Brahma Behari Seth	"	III
211.	Ganga Prasad	"	III
212.	Ganpati Raghunathrao Wya- wahare	"	III
214.	Gulzarilal Rohatgi	"	III
216.	Hari Har Prasad Singh	"	III
217.	Har Kishenlal	"	III
219.	Hira Lal Dube	"	III
221.	Jagadip Narain	"	III
227.	Kamlakar Pande	"	III
244.	Muckteshwar Roy Sharma	"	III
251.	Netradhar Salkia	"	III
256.	Purnanka Mohan Sur	"	III
269.	Ram Briksh Lala	"	III
265.	Ram Narayan Gupta	"	III
266.	Ram Chandra Agarwala	"	III
269.	Ramrao Tukaram Korde	"	III
278.	Sohan Lal Khanna	"	III
279.	Suchit Kumar Bhaduri	"	III
280.	Suresh Chandra Chakraborty	"	III
283.	Thakur Raj Nath Sinha	"	III
284.	Tapeshwari Sinha	"	III
290.	Vishnu Lakshman Nighoskar	"	III
293.	Yogendra Pal Sharma	"	III
302.	Chhabinath Tiwari	"	III
305.	Hari Nandan Sahay	"	III
308.	Mukunda Rao Nene	"	III

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
316.	Shyama Charan Sinha	Central Hindu College, Benares.	III
319.	Tara Prasad	"	III
321.	Vishnu Datta Sharma	"	III
324.	Harnam Das	"	III
327.	Sitaram Mukherjee	"	III
328.	Basudeva Prasad.	"	(Comp)
329.	Bechu Singh	"	"
331.	Bishwanath Singh	"	"
335.	Diwakar Dikshit	"	"
341.	Mohan Lal Pundir	"	"
342.	Mukund Lal Gupta	"	"
343.	Narain Datt Bahukandi	"	"
344.	Pancham Das	"	"
348.	Ram Chandra Devidas Joshi	"	"
350.	Sharda Prasad Sinha	"	"
351.	Shashishekhra Nand Gairola	"	"
353.	Shiva Dhani Singh	"	"
357.	Surendra Nath Rai	"	"
358.	Tilak Dhari Mall	"	"
359.	Tirthanand Misser	"	"
362.	Ayodhya Prasad Dwivedi.	"	"

ADMISSION EXAMINATION, 1925.

Roll No.	Name of candidate.	Name of school	Passed in class
(The results of the 1st Divisioners are given in order of merit).			
11.	Bhakti Adhikari 15-7 Brahmin	Private.	I Distinction in Mathematics and Bengali.
212.	Durga Dutt Rai 19-6 Kshattriya	Central Hindu School, Benares.	Distinction in Mathematics.

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Class.
169.	Shyam Narayan Shivapuri	14-6	Brahman	Alwar High School, Alwar.	I
188.	Shanti Behari Seth	16-4	Khattri	Theosophical National School, Benares	I
210.	Devanand Saklani	18	Brahman	Central Hindu School, Benares.	I

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
1.	Ajaib Lal	20-6	Kurmi	Private	III
4.	Badri Narain Lal	28-6	Kayastha		III
6.	Bageshwari Singh	22-1	Bhumihar Brahman		II
7.	Bama Charan Bhatt-acharya	21-7	Bengali		III
8.	Bam Bahadur Singh-Kalhance	21-2	Kshatriya		II
10.	Bechan Singh Sharma	21-7	Bhumihar Brahman		III
16.	Budh Sen	20-8	Brahman		II
19.	Chandradev Sharma	20	,,		II
25.	Daya Shankar Sharma	18-8-23	,,		III
29.	Deoki Nandan Singh	25-6	Kshatriya		III
33.	Ganga Prasad Agrawal	18-1	Agrawal Vaishya		II
35.	Gauri Shanker Pandeya	24-6	Brahman		III
37.	Gulab Chand Jain	14-8	Vaishya Agrawal		III
38.	Harbansh Narain Singh	17-5	Bhumihar Brahman		III
40.	Harishanker Prasad	21-11-21	Kayastha	,,	III

Roll No.	Name of Candidate	Age.	Caste.	Name of School.	Passed in Class.
41.	Hari Singh Burma	21-9-16	Kshattriya	Private.	III
53.	Kawalpati Singh	23-2-4	Brahman		III
56.	Krishnabai Pen- dharkar	22-2			III
57.	Klesh Haran Nath Singh	17-1			III
58.	Kamta Rai	21			II
59.	KrishnaDat Sharma	22-10			III
60.	Krishna Nand	16-9	Kayastha		II
64.	Mahadeo Prasad	20-9-16	Brahman		III
66.	Mathura Prasad	20-1-18	Agrawal		III
69.	Mahendra Prasad Misra	20-0	Brahman		III
72.	Nudurupati Venkata Sita Rama Rao	18-6	..		II
75.	Padma Narayan Acharya	17	..		II
81.	Pateshwari Prasad Misra	22-11-16	..		II
82.	Parmeshwar Saran Varma	23-5-22	Kayastha		III
84.	Rama Nand Pandey	34-11	Brahman		II Distinction in Hindi.
92.	Ram Singh Sharma	20-0-26	..		III
94.	Raj Narayan	18-10	Kayastha		II
101.	Ramchandra Konher Kulkarni	20-4-23	Brahman		II
103.	Ram Mani Misra	20-2	..		III
107.	Raj Kishore Singh	19-9	Kshattriya		II
109.	Ram Pariksha Sinha	19-6	..		III
113.	Saligramia Srivastava	19-6	Kayastha		III
118.	Sri Narain	19-6	..		III
121.	Shanker Dayal	19-2	..		II
123.	Satya Charan Lahiri	18	Brahman		III
125.	Shiva Shanker Pra- sad Sinha	20-6	Kayastha		III

Roll No.	Name of Candidate.	Age.	Cast,	Name of School.	Class
126.	Shiva Ram	19-11	Batt Brahman	Private	II
132.	Sarjoo Prasad Misra	23-6	Brahman	"	III
133.	Shidheswar Misra	19-3	"	"	III
135.	Shreshth Narain Singh	21-5	"	"	II
136.	Shri Niwas Balaji Hardiker	19	"	"	III
137.	Sri Krishna Lakshman Rao Datey	19-5	"	"	III
139.	Shyama Charan Misra	24-9	"	"	III
141.	Thakur Prasad Singh	17-11	Kshattriya	"	III
150.	Yadneshwer Balwant Pandit	19-5½	Brahman	"	II
151.	Yashoda Nandan Lal	19-5½	Kayastha	"	II
153.	Bankey Lal Sharma	29-0	Brabman	Alwar High School, Alwar.	II
154.	Ganga Lahari Sharma	15-5	Gour	"	III
155.	Gopesh Kumar Ojha	14-1	Brahman	"	II
156.	Harish Chandra Awasthi	18-2	"	"	III
157.	Har Narayan Gupta	17-4	Vaishya	"	II
158.	Kailash Nath Bhargava	14-7	Bhargava	"	II
159.	Kanwar Shambhu Singh	17-6	Rajput	"	II
160.	Lakshmi Narayana Sharma Primus	19-4	Brahman	"	II
161.	Lakshmi Narayan Sharma Secundus	19-0	"	"	II
162.	Mool Chand Sharma	14-7	"	"	II

Roll No.	Name of candidate	Age.	Caste.	Name of School	Passed in. Class.
163.	Nawal Kishore Sharma	16-9	Brahman	Alwar H. S. Alwar.	II
164.	Nawal Kishore Goyal	19-0	Vaishya	„	II
165.	Pyare Lal Vaishya	20-2	„	„	II
166.	Rajendra Narain Mathur	16-6	Kayastha	„	II
167.	Rajendra Nath Tikku	16-3	Brahman	„	II
168.	Shiva Kumar Ojha	16-4	„	„	II
169.	Shyam Narayan Shivapuri	14-6	Brahman	„	I
170.	Awadh Behari Saran I	18-10	Kayastha	Theo- sophicaI Na- tional School, Benares.	III
171.	Avadha Behari Saran II	15-3	Kayastha	„	II Distinc- tion in Mathem- tics.
172.	Anand Rao Waman Rao Rane	17-0	Prabhu	„	II
173.	Bhalchandra Ram- chandra Tilak	16-7	Brahman	„	III
174.	Badri Narain Lall	19-5	Kayastha	„	II
175.	Bageshwari Sahai	17-3	„	„	II
176.	Bantwal Mangesh Rao	16-3	Brahman	„	II
177.	Chintamani P. Patankar	16-8	„	„	III
178.	Debi Lal	23-6	Kayastha	„	III
179.	Indu Bhushan Akhour	17-7	„	„	III
180.	Jagdish Sahai	15-6	„	„	II
182.	Kashi Nath Jaiswal	16-8	Vaishya	„	III
183.	Rama Sundar Lall	23-2	Kayastha	„	II
184.	Ram Chandra Chetty	18-6	Vaishya	„	II
185.	Ram Prakash Sharma	16-6	Brahman	„	II

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Class.
187.	Ranbir Jang Bahadur	16-1	Kayastha	Theosophical National School, Benares.	II
188.	Shanti Bihari Seth	16-4	Khatrī	„	I
189.	Viswanath Marwari	16-8	Vaishya	„	III
190.	Vasudeva Narain	16-10	Kayastha	„	III
193.	Amarendra Nath Sinha	17-0	„	Central Hindu School Benares.	III
194.	Ambika Prasad Shrivastava	21-6	Kayastha		II
196.	Badri Prasad	23-0	„		III
198.	Banarsi Prasad Pandey	21-6	Brahman		III
199.	Bankey Behari Pande	17-8	„		II
200.	Bankim Chandra Bhattacharya	15-3	„		II
204.	Bibhuti Bhusan Chatterji	18-7	„	„	II
208.	Chandra Mani Roy	16-5	Bhumihar	„	III
			Brahman		
209.	Chhote Lal Gujrati	19-2	Gujrati	„	III
			Vaishya		
210.	Devanand Saklani	18-0	Brahman	„	I
211.	Durga Dass Banerji	16-5	„	„	III
212.	Durga Dutt Rai	19-6	Kshattriya	„	I Distinction in Mathematics.
213.	Dhanroop Mall Jain	17-6	Vaishya	„	II
214.	Dharam Deva Misra	19-0	Brahman	„	III
215.	Ganga Das Munsī	17-4	„	„	III
217.	Harish Chandra Pati Tripathi	15-5			II

Roll No.	Name of Candidate.	Age.	Caste.	Name of College.	Passed in Class.
219.	Hira Lal Singh Mathur	22-0		C. H. S. „ Benares.	III
220.	Indoo Nagar Das Gandhi	16-1	Vaishya		III
221.	Jagdish Prasad Gupta	15-4			III
222.	Janardan Prasad Jha	18-0	Brahman		II
224.	Kailas Pati Tiwari	17-0			II
226.	Kedar Nath Banerjee	17-9			II
227.	Krishna Das Trivedi	17-1			II Distinction in Mathematics.
228.	Lalit Kumar Choudhuri	16-0	Brahman „		II
229.	Madho Prasad Dubey	18-3			III
231.	Monindra Nath Neogi	16-3	Vaishya		III
235.	Narendra Nath Chakraverti	17-0	Brahman		III
237.	Pranab Nath Mukherji	16-9			II
238.	Pratap Chand Jain	15-10	Oswal „		III
242.	Radhey Krishna Dass	16-5	Agrawal „		III
244.	Rama Nath Joshi	19-5	Brahman „		III
245.	Rama Shanker Seth	17-0	Swarnakar „		III
246.	Ram Behari Shukla	20-0	Brahman „		III
247.	Ramdeo Misra	16-9			II
249.	Ram Raj Pandeya	18-6			III
250.	Ranjit Kumar Basu	16-2	Kayastha „		II
251.	Rudra Datta Bharadvaj	17-1	Brahman „		II
252.	Sankata Prasad Pandey	18-6	„ „		II
253.	Saraswati Prashad Srivastava	17-11	Kayastha „		III
255.	Shyama Pado Banerjee	15-5	Brahman „		III
256.	Shyama Pati Pandey	17-6	„ „		II
257.	Shyam Kumar Mathur	17-0	Kayastha		III
258.	Shyam Narain Baijal	17-5	Khatri		II
259.	Shyam Sunder Bajpai	19-0	Brahman		III
260.	Shyam Swaroop Tandon	19-6	Khatri		III

Roll No.	Name of Candidate.	Age.	Caste.	Name of School	Class.
262.	Sukhddham Jee Sahai	18-2	Kayastha	C.H.C.	II
263.	Sukumār Mukherjee	15-10	Brahman	Benares.	II
269.	Vishwanath Narayan Sinha	15-3			II
271.	Keshab Dutt Pant	19-3-15	Private		III
272.	Brāja Nandan Prasad Sinha	17-4	Bhumihar , Brahman		II

LL.B. (Previous) EXAMINATION, 1925

Roll No.	Name of candidate.	Name of College.	Passed in Class.
1.	Abdul Ali Ansari	Law College B.H.U. Benares.	I
8.	Devi Prasad Srivastava		I
10.	Dwarka Prasad		I
13.	Girdhar Das Parikh		I
17.	Hoti Lal Taga		I
18.	Jagannath Shastry Bharadwaj		I
24.	Kedar Nath Tewari		I
29.	Madan Gopal Sinha		I
33.	Mukund Ram		I
34.	Murli Manohar		I
37.	Prayag Dutta Soni		I
39.	Raj Bahadur Lal		I
42.	Ram Bodh Singh		I
44.	Rai Krishna Chandra		I
48.	Ram Nath Srivastava		I
51.	Ram Shringar Singh		I
56.	Shivamangal Pandey		I
59.	Shiva Nath Singh		I
62.	Shri Dhar Dayal Dube		I
69.	Tribeni Saran Roy		I
77.	Ganpat Rao Hoshing		I

Roll No.	Name of candidate.	Name of school	Passed in class
85.	Paresh Chandra Chatterjee	Law College B.H.U. Benares.	I
87.	Raj Narain Lal	"	I
88.	Raja Ram Varma	"	I
89.	Ranga Nath Sharma	"	I
90.	Ram Shankar Misra	"	I
91.	Sahibzad Singh	"	I
92.	Shital Prasad Dube	"	I
2.	Braj Nath Dube	"	II
3.	Bechoo Misra	"	II
4.	Birbal Varma	"	II
5.	Chandra Muni	"	II
7.	Deva Nandan Shukla	"	II
9.	Durga Vinaek Prasad	"	II
12.	Gauri Shankar Chaube	"	II
14.	Govind Malaviya	"	II
15.	Hari Shankar	"	II
16.	Harihar Nath Sinha	"	II
19.	Jagdeo Rai Sharma	"	II
22.	Kamta Prasad Misra	"	II
25.	Keshava Prasad	"	II
26.	Kerala Varma	"	II
27.	Khub Chand Srivastava	"	II
28.	Krishna Deo Upadhyay	"	II
32.	Mukund Lal Srivastava	"	II
35.	Nand Lal Bhardoaj	"	II
36.	Narendra Narsingh Rana	"	II
38.	Protul Kumar Mittra	"	II
41.	Ramadhar Singh	"	II
43.	Rama Briksh Singh	"	II
45.	Ramesh Datta Pathak	"	II
46.	Ramji Anand	"	II
47.	Ram Prasad Singh	"	II
49.	Ram Sahai Lal	"	II
50.	Ram Shanker Pande	"	II

Roll No.	Name of candidate.	Name of Pathshala.	Passed in Class.
52.	Ravindra Narayana Sinha	Law College, B.H.U. Benares.	II
53.	Saraswati Din Pandey	,,	II
54.	Saraswati Dutt Sharma	,,	II
55.	Saryu Prasad Sinha	,,	II
57.	Shesh Dutt Tripathi.	,,	II
58.	Shital Prasad Sanyal	,,	II
60.	Shree Newas	,,	II
61.	Shri Niwas Roy	,,	II
63.	Shridhar Singh	,,	II
65.	Shyam Lal Merh	,,	II
66.	Sudhir Kumar Basu	,,	II
67.	Sunil Chandra Mukherjea	,,	II
68.	Thakur Krishna Singh	,,	II
70.	Vishwa Nath Pande	,,	II
71.	Vishwa Nath Pd. Srivastava	,,	II
72.	Yagya Dutta	,,	II
73.	Bhawani Prasad	,,	II
74.	Bindbasni Prasad	,,	II
75.	Bindbasni Sinha	,,	II
76.	Ganesh Singh	,,	II
78.	Hari Krishna	,,	II
79.	Indu Bhusan Chatterjee	,,	II
81.	Jayadeva Narayana Sinha	,,	II
82.	Lallo Singh	,,	II
84.	Markandey Prasad Pathak	,,	II
86.	Radha Mohan Prasad	,,	II
93.	Shivapher Singh	,,	II
94.	Shiva Shankar Lal	,,	II
95.	Sugriva Misra	,,	II
96.	Thakur Sadhu Saran Sinha	,,	II
97.	Vishnudutt Upadhyaya	,,	II
98.	Mohammad Abdul Majeed	,,	II
99.	Ram Prasad Singh Sharma	,,	II

B. Sc. EXAMINATION (Engineering)

PART II. 1925.

MECHANICAL BRANCH

Roll No.	Name of candidate.	Name of College	Passed in Class.
1.	Ananta Kumar Bose	Engineering College B. H. U.	III
2.	Anukul Chandra Sen	„	II
3.	Ashita Ranjan Ghosh	„	III
4.	Ashutosh Paul	„	III
5.	Benoy Kumar Mitra	„	III
6.	Bimal Kanti Banerji	„	II
9.	Dwijendra Nath Chatterji	„	III
10.	G. Viswanatham	„	I
11.	Hari Pada Bhaduri	„	II
12.	Jai Krishna Das Parikh	„	II
19.	Nirmal Chandra Mukerji	„	III
21.	Radha Gobinda Das	„	II
24.	Sarojpani Chowdhuri	„	III
25.	Surendra Nath Basu	„	II
27.	Shyamlal Saksena	„	II

ELECTRICAL BRANCH

7.	Devi Das Dhanda	„	II
8.	Dinkar Shridhar Sharangpani	„	II
14.	Jetha Nand Divan	„	II
15.	Keshava Vishwanath Kardile	„	I
16.	Kundan Lal Talwar	„	III
22.	Radha Krishna Kshetrapal	„	III
26.	Sourindranath Mojumdar	„	III
28.	Sudhamsu Ranjan Roy Choudhuri	„	II

B. Sc. EXAMINATION (Engineering), Part I, 1925.

Roll No.	Name of Candidate.	Name of College	Passed in Class.
8.	Bibhu Bhusan Sen Gupta	Engineering College B. H. U. Benares.	
10.	B. V. Raju		I
17.	Gopal Yadeo Mangrulker		I
25.	Manohar Lall Thakur		I
27.	Mohan Chandra Pandey		I
51.	Sudhanshu Ranjan Saha		I
2.	Anadi Chandra Mukherjee		II
11.	Debendranath Ghose		II
13.	D. Subramaniam		II
14.	Durga Das		II
15.	Gatto Lal Jurwal		II
16.	Girindra Nath Maity		II
24.	Karam Chand Bhatia		II
28.	M. R. Viswanathan		II
34.	Paresh Chandra Dutt		II
38.	Promode Behari Purkayastha		II
41.	Ramesh Chandra Rai Choudhury		II
46.	Satish Chandra De		II
48.	Shanker Lal Jain		II
53.	Surya Kumar Roy		II
54.	Susil Chandra Sen		II
58.	Triloki Nath Bhatnagar		II
59.	Vijey Karan Sarda		II
60.	Vishwamitra Bhargava		II
1.	Abinash Chandra Podder		III
4.	Anil Chandra Kar		III
5.	Anilendra Nath Ghosh		III
6.	Bholanath Basak		III
7.	Bhujanga Bhushan Mandal		III
12.	Dhires Chandra Roy Choudhury		III
21.	Janki Das Aggarwal		III
22.	Joy Gobinda Mozumder		III

B. SC. EXAMINATION (ENGINEERING)—1925. 1337

Roll No	Name of candidate.	Name of college.	Passed in class.
23.	Kanshi Ram Minocha	Engineering College B.H.U. Benares.	III
26.	Mohammad Bashir Khan	„	III
31.	Niranjan Lal	„	III
35.	Prafulla Kumar Datta	„	III
36.	Prafulla Kumar Roy Choudhury	„	III
37.	Priyatom Chowdhuri	„	III
39.	Rajendra Chandra Bhadury	„	III
40.	Rama Varma	„	III
42.	Sailaja Kinkar Samanta	„	III
43.	Sarat Chandra Banerjee	„	III
45.	Satish Chandra Chakravarty	„	III
47.	Satyendra Nath Datta	„	III
49.	Sisir Chandra Chaudhuri	„	III
50.	Sri Charan Das Mathur	„	III
52.	Sudhindra Prosad Niyogi	„	III
55.	Susil Kumar Bhattacharya	„	III
56.	Tarini Kumar Palit	„	III
57.	Trilochan Singh Sodhi	„	III

**INTERMEDIATE EXAMINATION (Engineering)
Part II 1925.**

Roll No.	Name of candidate.	Name of college.	Passed in class.
3.	A. Visvanathan	Engineering College, B.H.U. Benares.	I
9.	Bhuban Mohon Sarkar.	„	I
14.	Dattatraya Chintaman Kanitkar	„	I
17.	Girdhari Lal	„	I
18.	Girja Prasad Bandyopadhyaya	„	I
19.	Girindra Kumar Chaudhuri	„	I
20.	Goverdhan	„	I
21.	Gyanendra Nath Vatal	„	I
22.	Harbans Lal Dutt	„	I
23.	Hari Charan Kar	„	I
36.	Lalit Mohan Das	„	I

Roll No.	Name of Candidate.	Name of College.	Passed in Class.
37.	Madan Gopal Mitra	Engineering College B.H.U. Benares.	I
38.	Megh Raj Aggarwal	"	I
39.	Monoj Mohon Banerjee	"	I
40.	Mrinal Kanti Choudhury	"	I
48.	Phanindra Bhushon Bose	"	I
50.	P. S. Meenakshi Sundaram	"	I
52.	Raghu Nath Agarwal	"	I
60.	Satya Narayan Chatterji	"	I
61.	Satyendra Bimal Sen	"	I
62.	Surendra Chandra Gupta	"	I
1.	Ambika Charan Maitra	"	II
2.	Anand Vishnool Deodhar	"	II
4.	Anil Kumar Gangopadhyaya	"	II
6.	Bal Krishna Shukla	"	II
7.	Bhagwandas Atmaram Mehta	"	II
8.	Bhagwan Dass Mathotra	"	II
10.	Bijan Kumar Sinha	"	II
11.	Biman Behari Das Chaudhuri	"	II
12.	Birendra Nath Sen Gupta	"	II
13.	Charu Chandra Chakraborty	"	II
15.	Dhirendra Mohon Banerjee	"	II
16.	Dwijendra Nath Sarkar	"	II
24.	Hari Krishna Malik	"	II
25.	Hem Chandra Ghosh	"	II
26.	Indu Bhushan Mukhopadhyaya.	"	II
27.	Jagdish Prasad Srivastav	"	II
28.	Jatindra Nath Mukherjee	"	II
29.	Jogajiban Ghosh	"	II
31.	Jyotish Chandra Mukherjee	"	II
32.	Kalidas Nag	"	II
35.	Lakshmi Narain Mathur	"	II
43.	Nihar Ranjan Datta	"	II
44.	Niraja Ranjan Ray	"	II
47.	Nripendra Nath Sen Gupta	"	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
53.	Raj Behari Lall	Engineering College. B.H.U.	II
54.	Ram Krishna Selot	"	II
55.	Ram Lal Joneja	"	II
56.	Rabindra Lal Bose	"	II
58.	Sasanko Bhusan Ghosh	"	II
64.	Upendra Lal Sen Gupta	"	II
67.	Vishnu Chandra Chatterjee	"	II
34.	Kamalesh Chandra Saha	"	III

INTERMEDIATE EXAMINATION, (Engineering)
PART I.

Roll No.	Name of candidate.	Name of college.	Passed in Class.
7.	Dattatraya Bhaskar Arte	Engineering College, B. H. U, Benares.	I
12.	Hari Nath Bhattacharya	"	I
17.	Kripalani Mangharam Tourmal	"	I
25.	Nalduogkar Bhimsen Kishanrao	"	I
34.	Shridhar Atmaram Prabhu	"	I
2.	Aswini Kumar Bakshi	"	II
3.	Baij Nath Gupta	"	II
5.	Bhupendra Nath Bose	"	II
6.	Bibhuti Bhuson Mukhopadhyaya	"	II
9.	Durga Prasad Varma	"	II
19.	Labhu Ram Mandal	"	II
20.	Madhukar Harsutram Mehta	"	II
22.	Makhan Lal Mukherji	"	II
23.	Montosh Chandra Guha	"	II
22.	Murugker Laxaman Venkatrao	"	II
26.	N. Raja Gopalan	"	II
27.	Prafulla Kumar Mitra	"	II
33.	Sachchidananda Mukhopadhyaya	"	II
42.	Vasudeo Vinayak Sarwate	"	II
43.	Vichitra Kumar Srivastava	"	II

Roll No.	Name of candidate.	Name of College.	Passed in Class.
44.	Vidya Sagar Mittal	Engineering College B.H.U. Benares.	II
45.	V. K. Govinda Menon	"	II
46.	V. Subbaratnam	"	II
1.	Amar Lal Gandhi	"	III
4.	Bamadas Chatterjee	"	III
10.	Girindra Chandra Dutt Gupta	"	III
14.	Himangshu Bhushan Gupta	"	III
16.	Kali Pada Moitra	"	III
28.	Prag Raj Khanna	"	III
29.	Premansu Roy	"	III
35.	Shiv Dass Malhotra	"	III
37.	Sudhir Chandra Guha	"	III
41.	Umajivan Banerji	"	III

PRELIMINARY EXAMINATION FOR THE
ENGINEERING DIPLOMA 1925.

Roll No.	Name of candidate	Name of college.	Passed in Class.
38.	Labha Mall Julka	Engineering College B.H.U. Benares.	I
44.	Mohan Lal Chopra	"	I
56.	Raj Krishna	"	I
1.	Abdul Waheed	"	II
7.	Badri Nath Kakar	"	II
23.	Gur Charan Singh	"	II
26.	Hardayal Singh	"	II
28.	Hari Shankar Tandan	"	II
30.	Himangsu Mohon Sarkar	"	II
47.	Nalini Kanta Ghosh	"	II
58.	Ram Kumar Sharma	"	II
71.	Tara Kanjan Thakur	"	II
6.	Attar Chand	"	III
11.	Bhagat Ram Gulati	"	III
12.	Bhim Sen Shastri	"	III

INTERMEDIATE EXAMINATION (ENG.) PART I. 1341

Roll No.	Name of Candidate.	Age.	Caste.	Name of School.	Passed in Class.
13.	Bimal Chandra Mittra		Engineering College		III
			B.H.U. Benares.		
19.	Faqir Chand Madaṛ			"	III
21.	Gosthinnawaduge Francis de Silva			"	III
22.	Gunbir Singh Atroshi			"	III
27.	Hari Charan Palit			"	III
32.	Jiwan Lall Mathur			"	III
34.	Kalindri Sahai			"	III
35.	Kali Pada Bhattacharya			"	III
37.	Kishori Lall			"	III
39.	Lal Behari Podder			"	III
41.	Lakshmi Narayan Vajpeyi			"	III
42.	Lekh Raj Shiv			"	III
45.	Mushtaq Ali			"	III
49.	Phani Bhushan Chakravarti			"	III
51.	Prafulla Kumar Naha			"	III
52.	Prafulla Kumar Sen			"	III
59.	Ram Swarup Avasthi			"	III
61.	Sailesh Chandra Sen Gupta			"	III
62.	Satish Prakash Malviya			"	III
64.	Shanti Sarup Tuli			"	III
69.	Santosh Kumar Mukerjee			"	III
72.	Tirath Singh			"	III

INTERMEDIATE EXAMINATION (Mining & Metallurgy)
PART II, 1925.

Roll No.	Name of candidate.	Name of College.	Passed in Class
1.	Brijbasi Lal Saxena.	Department of Mining and Metallurgy	III
2.	Kalikanando Goswami	"	III
3.	Krishna Kali Bose	"	II
4.	Ram Swarup	"	III
5.	Salil Kumar Chatterjee	"	III
6.	Sisir Kumar Bhattacharya	"	II
7.	Suraj Prakash Dandona	"	II

INTERMEDIATE EXAMINATION (Mining and
Metallurgy) PART I, 1925.

Roll No.	Name of candidate.	Name of College.	Passed in Class.
1.	Abani Prasanna Sanyal	Department of Mining and Metallurgy	III
2.	Achyuta Nand Verma	„	III
3.	Anil Kumar Chakrabarti	„	III
4.	Daya Swarup	„	II
12.	Sushil Ranjan Dey	„	II

एकादशी कथाओं की सूची

(१६२४-२५)

श्रावण कृष्ण ११-रविवार ता० २७ } जुलाई १६२४ }	वर्ममाहात्म्यम्, कुण्डधारोपाख्यानंमहा- भारत शांतिपर्व २७० इतिहास- समुच्चय १३
श्रावण शुक्र ११-सोमवार ता० ११ } अगस्त १६२४ }	ब्रह्मनिरूपणम्-श्रीमद्भागवत एकादश स्कंध ३ अध्याय
भाद्र कृष्ण ११-मंगलवार ता० २६ } अगस्त १६२४ }	श्रीकृष्णचरितम् गीतोपदेशः भीष्म पर्व
भाद्र शुक्र ११-मंगलवार ता० ६ } सितम्बर १६२४ }	सुशोभापाख्यानम् श्रीमद्भागवत दशम स्कंध ८०, ८१ अध्याय
आश्विन कृष्ण ११-बुधवार ता० २४ } सितम्बर १६२४ }	रामचरितम्-बाल्मीकि रामायण से
आश्विन शुक्र ११-मंगल, बुध } ता० ८, ९ अक्टूबर १६२४ }	भरतकथा
कार्तिक कृष्ण ११-शुक्रवार ता० २४ } अक्टूबर १६२४ }	अर्जुन और उर्वशी कथा महाभारत वन पर्व ४२-४३ अध्याय
कार्तिक शुक्र ११-शुक्रवार ता० ७ } नवम्बर १६२४ }	विदुला कथा-महाभारत उद्योगपर्व
मार्गशीर्ष कृष्ण ११-शनिवार ता० २२ } नवम्बर १६२४ }	अम्बरीष कथा श्रीमद्भागवत पंचम स्कंध अध्याय ४-५
मार्गशीर्ष शुक्र ११-शनि, रवि ता० ६ } या ७ दिसम्बर १६२४ }	पृथुचरितम् श्रीमद्भागवत चतुर्थ स्कंध अध्याय ४-२३
पौष कृष्ण ११-सोमवार ता० २० } दिसम्बर १६२४ }	ध्रुवकथा श्रीमद्भागवत चतुर्थ स्कंध अध्याय ७-१२
पौष शुक्र ११-सोमवार ता० ५ } जनवरी १६२५ }	कापिलेयोपाख्यानम् श्रीमद्भागवत तृतीय स्कंध अध्याय २२-२३

माघ कृष्ण ११—मंगलवार ता० २० } जनवरी १९२५ }	तीर्थयात्रा महात्म्यम् महाभारत वन- पर्व ८१-८२
माघ शुक्ल ११—बुधवार ता० ४ } फरवरी १९२५ }	अनुशासन पर्व २५-२६ युधिष्ठिरकथा महाभारत से
फाल्गुन कृष्ण ११—गुरुवार ता० १६ } फरवरी १९२५ }	अदिति पयोव्रतकथा
फाल्गुन शुक्ल ११—शुक्रवार ता० ६ } मार्च १९२५ }	राजावलि की कथा श्रीमद्भागवत से
चैत्र कृष्ण ११—शुक्रवार ता० २० } मार्च १९२५ }	दशरथ जी की कथा

एकादशी कथाओं की सूची

(१६२५-२६)

श्रावण कृष्ण ११—बृहस्पतिवार ता० १६ जुलाई १६२५	}	धर्ममाहात्म्यम्. कुण्डधारोपाख्यानमहा- भारत शांतिपर्व २७० इतिहाससमुच्चय १३
श्रावण शुक्र ११—शनिवार ता० १ अगस्त १६२५		ब्रह्मनिरूपणम्—श्रीमद्भागवत एकादश स्कंध ३
भाद्र कृष्ण ११—शनिवार ता० १५ अगस्त १६२५	}	श्रीकृष्णचरितम्, गीतोपदेशः भीष्मपर्व
भाद्र शुक्र ११—रविवार ता० ३० अगस्त १६२५		सुदामोपाख्यानम्, श्रीमद्भागवत दशम- स्कंध ८०।८१ अध्याय
आश्विन कृष्ण ११—रविवार ता० १३ सितम्बर १६२५	}	श्रीरामचरितम्-वाल्मीकि रामायण से
आश्विन शुक्र ११—सोमवार ता० २८ सितम्बर १६२५	}	भारत कथा
कार्तिक कृष्ण ११—मङ्गल ता० १३ अक्तूबर १६२५		अर्जुन और उर्वशी कथा महाभारत वन पर्व ४२-४३ अध्याय
कार्तिक शुक्र ११ (हरिप्रबोधिनी)	} मङ्गल, बुध ता० २७।२८ अक्तूबर १६२५ }	विदुला कथा महाभारत उद्योगपर्व
मार्गशीर्ष कृष्ण ११—बृहस्पतिवार ता० १२ नवम्बर १६२५		अम्बरीषकथा, श्रीमद्भागवत पंचम स्कंध अध्याय ४-५
मार्गशीर्ष शुक्र ११—बृहस्पतिवार ता० २६ नवम्बर १६२५	}	पृथुचरितम्, श्रीमद्भागवत चतुर्थ स्कंध अध्याय १४-२३
पौष कृष्ण ११—शुक्रवार ता० ११ दिसम्बर १६२५	}	ध्रुवकथा श्रीमद्भागवत चतुर्थ स्कंध अध्याय ७-१२
पौष शुक्र ११— { शुक्रवार शनिवार }	}	कापिलेयोपाख्यानम्, श्रीमद्भागवत तृतीय स्कंध अध्याय २-२३
ता० २५।२६ दिसम्बर १६२५		

माघ कृष्ण ११—रविवार ता० १० जनवरी १९२६	}	तीर्थयात्रा-माहात्म्यम्, महाभारत वन- पर्व ८१-८२
माघ शुक्ल ११—रविवार ता० २४ जनवरी १९२६	}	म० भा० अनुशासन २५-२६ युधिष्ठिर कथा महाभारत से
फाल्गुन कृष्ण ११- सोमवार मङ्गलवार ता० ८६ फरवरी १९२६	}	अदितिपयोधर कथा
फाल्गुन शुक्ल ११-मङ्गलवार ता० २३ फरवरी १९२६	}	राजा बलिकी कथा श्रीमद्भागवत से
चैत्र कृष्ण ११—बुधवार ता० १० मार्च १९२६	}	इशरथजी की कथा
चैत्र शुक्ल ११—बृहस्पतिवार ता० २५ मार्च १९२६	}	हमिश्चन्द्र कथा

५. देवता विषय
 ६. अवतार विषय
 ७. दर्शन-सांख्य योग वेदान्त
 सांख्य से प्रकृति पुरुष प्रकरण-गुणत्रय विषय
 योग से अष्टांग योग
 वेदान्त से द्वैत-द्वैताद्वैत-विशिष्टाद्वैत-शुद्धाद्वैत-केवलाद्वैत
 शंकर रामानुज माध्ववल्लभादि मत
 ८. कर्मविपाक-स्वर्ग, नरक, मोक्ष विषय पुनर्जन्म
 ९. भक्ति और ज्ञान मार्गों द्वारा मोक्ष भेद
 १०. देशभाषा द्वारा धर्म प्रतिपालक साधु सन्तों का उपदेश
 ११. संसार में प्रचलित अन्य धर्मों का स्वरूप
 १२. विश्वजनीन धर्म के मूलतत्त्व-सब धर्मों का समन्वय
 १३. हिन्दू धर्म की श्रेष्ठता
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APPENDIX B.

Scheme of studies in Hindu Religion.

धर्म शिक्षाका पाठक्रम

प्रथम-द्वितीय वर्ष के लिये

१. धर्मशिक्षा की आवश्यकता साधारणतः, धर्म का महत्व, विशेषतः हिन्दू धर्म का
२. हिन्दू धर्म क्या है ? प्राचीन भारत का धर्म : वैदिक, जैन और बौद्ध धर्मों का विषय
३. सनातन धर्म का मूल—श्रुति सूत्र, इतिहास, स्मृति, पुराण, न्याय, मीमांसा
४. धर्मलक्षण और धर्म का पुरुषार्थों से अर्थात् कर्म, काम, मोक्ष से सम्बन्ध ।
५. सामान्य और विशेष धर्म
६. वर्णाश्रम धर्म की उत्पत्ति, विस्तार, तथा वर्तमान स्थिति
७. आहिक उपासना, स्वाध्याय
८. पंच महायज्ञ,
९. व्रत, तीर्थ, दान, यज्ञ, तप प्रायश्चित्तादि.
१०. संस्कार साधारणतः उपनयन, विवाह, अन्त्येष्टि,
११. श्राद्ध प्रकरण ।

धर्म शिक्षाका पाठक्रम

तृतीय-चतुर्थ वर्ष के लिये

१. देवासुर सम्पद, गीता अध्याय १६—उपनिषद्
२. कर्म ज्ञान भक्ति प्रकरण
३. ईश्वर-ज्ञान-जगत विषय
४. समुण निर्गुण रूप

APPENDIX C.

LIST OF HOLIDAYS FOR THE YEAR 1924—25.

No.	Name of holiday	No. of days	Days of the week.	Date.
1	Karka Samkranti		Tuesday	15th July, 1924.
2	Guru Purnima		Wednesday	16th July, 1924.
3	Nag Panchami		Tuesday	5th August, 1924.
4	Raksha Bandhan		Thursday	14th August, 1924.
5	Lunar Eclipse		Friday	15th August, 1924.
6	Janmashtami		Fri. & Satur.	2nd & 23rd Aug. 1924.
7	Ananta Chaurdashi		Friday	12th Sept. 1924.
8	Vishwakarma Puja		Saturday	13th Sept. 1924.
9	Matri Navami		Monday	22nd Sept. 1924.
10	Mahalaya		Sunday	28th Sept. 1924.
11	Dashahra Vacation		From Shukla Panchami to ShuklaTritiya	3rd to 31st Oct. 1924.
12	Prabodhini Ekaadashi		Friday	7th Nov. 1924.
13	Kartiki Purnima		Tuesday	11th Nov. 1924.
14	Coronation Day		Friday	12th Dec. 1924.
15	Winter Vacation		Wed. to Thur.	24th Dec. 1924 to 1st January, 1925.
16	Makar Samkranti			
17	Ganesh Chaturthi		Tuesday	13th Jan. 1925.
18	Muni Amavasya		Saturday	24th Jan. 1925.
19	Vasant Panchami		Thursday	29th Jan. 1925.
20	Maghi Purnima & Lunar Eclipse		Sun. & Mon	8th & 9th Feb. 1925.
21	Shivaratri		Satur. & Sun	21st & 22nd Feb. 1925
22	Somavati Amavasya	1	Monday	23rd Feb. 1925.
23	Holi	2	Wed. & Thur	11th & 12th Mar. 1925.
24	Varuni	1	Sunday	22nd March, 1925.
25	Ramnavami	1	Thursday	2nd April. 1925.
26	Mesh Samkranti	1	Monday	13th April, 1925.
27	Akshaya Tritiya	1	Sunday	26th April, 1925.
28	Summer Vacation	29		1st May to 5th July, 1925.

N. B.—In the Ministerial Offices all these holidays were to be observed with the modifications noted below:—Puja Vacation 12 days, Dipavali 2 days, Bhadrividya, Ganga Dashahra, His Majesty's Birthday and Rath Jatra one day each. No summer vacation was to be given. In the College of Oriental Learning and Theology instead of Sundays all *Pratipadas* and *Ashtamis* were to be holidays.

LIST OF HOLIDAYS FOR THE YEAR 19.5-26.

Name of Holiday.	No. of days.	Day of the week.	Date.
Guru Purnima	1	Monday	6th July 1925
Karka Samkranti	1	Thursday	16th do.
Somavati Amavasya	1	Monday	20th do.
Nagpanchmi	1	Sunday	26th do.
Rakshabandhana	1	Tuesday	4th August, 1925.
Lunar Eclipse	1	Wednesday	5th do.
Janmastami	2	Tue. & Wed.	11th & 12th Aug. 25.
Ananta-Chaturdasi	1	Tuesday	1st Sept. 1925.
Matri Navami	1	Friday	11th do.
Vishwkarma Puja	1	Wednesday	16th do.
Mahalaya	1	Thursday	17th do.
Dasahra Vacation	28	(From Shukla Panchami to Shukla Tritiya)	23rd Sept. to 20th Oct. 1925.
Prabodhini Ekadashi		Tuesday	27th do.
Kartiki Purnima	1	Saturday	31st Oct. 1925.
Somavati Amavasya	1	Monday	16th Nov. 1925.
Coronation Day	1	Saturday	12th Dec. 1925.
Winter-Vacation	9	Thurs. to Friday	24th Dec. 1925 to 1st Jan. 1926.
Ganesh-Chaturthi	1	Saturday	2nd January, 1926.
Makar-Samkranti	1	Wednesday	15th do.
Mauni-Amavasya	1	Thursday	16th do.
Vasanta-Panchami	1	Monday	18th do.
Maghi-Purnima	1	Thursday	28th do.
Siva-Ratri	2	Thursday & Friday	11th & 12th Feb. 1926.
Holi	2	Sunday & Monday	28th Feb. and 1st March 1926.
Somavati-Amavasya	1	Monday	12th April 1926
Mesh-Samkranti	1	Tuesday	13th April 1926
Ramanavami	1	Wednesday	21st April 1926
Aksaya Tritiya	1	Friday	14th May 1926
Summer Vacation	69	... ..	1st May to 8th July 1926

N.B.- In the ministerial Offices all these holidays will be observed with the modifications noted below: Puja Vacation 12 days, 10th & 2 days, Bhairaviditya, Ganga Dashahra, His Majesty's Birthday & Rath-Jatra one day each. No summer vacation will be given. In Colleges of Oriental Learning and Theology instead of Sunday, *Paripattas* and *Istamis* will be holidays.

